

Appendix A: Empirical EOS for CO₂ and the Calculation of the Thermal Pressure Coefficient, Thermal Expansion Coefficient, and Isobaric Compressibility

The total solubility parameter for a pure fluid can be calculated using PVT data. From the thermodynamic equation of state, and the definition of the total solubility parameter,

$$d^2 \approx \left(\frac{\partial E}{\partial V} \right)_T = T \left(\frac{\partial P}{\partial T} \right)_V - P \quad (\text{A-1})$$

Total (1-component) solubility parameters for CO₂ are calculated using the empirical equation of state (EOS) of Huang *et al.*¹ :

$$P = \rho R T \left[\begin{aligned} & 1 + b_2 \rho' + b_3 \rho'^2 + b_4 \rho'^3 + b_5 \rho'^4 + b_6 \rho'^5 + b_7 \rho'^2 \exp(-c_{21} \rho'^2) + b_8 \rho'^4 \exp(-c_{21} \rho'^2) \\ & + c_{22} \rho'^2 \exp[-c_{27}(\Delta T)^2] + c_{23} \frac{\Delta \rho}{\rho} \exp[-c_{25}(\Delta \rho)^2 - c_{27}(\Delta T)^2] \\ & + c_{24} \frac{\Delta \rho}{\rho} \exp[-c_{26}(\Delta \rho)^2 - c_{27}(\Delta T)^2] \end{aligned} \right] \quad (\text{A-2})$$

where

$$T' = \frac{T}{T_c}; \quad \Delta T = 1 - T'; \quad \mathbf{r}' = \frac{\mathbf{r}}{\mathbf{r}_c}; \quad \Delta \mathbf{r} = 1 - \frac{1}{\mathbf{r}'} \quad (\text{A-3})$$

Table A-1. Huang Equation of State Constants, C_i .

i	C_i	i	C_i
1	0.376194	15	-2.79498
2	0.118836	16	5.62393
3	-3.04379	17	-2.93831
4	2.27453	18	0.988759
5	-1.23863	19	-3.04711
6	0.250442	20	2.32316
7	-0.115350	21	1.07379
8	0.675104	22	-0.599724×10^{-4}
9	0.198861	23	0.885339×10^{-4}
10	0.216124	24	0.316418×10^{-2}
11	-0.583148	25	10
12	0.119747×10^{-1}	26	50
13	0.537278×10^{-1}	27	80,000
14	0.265216×10^{-1}		

and,

$$\begin{aligned}
 b_2 &= \left(c_1 + \frac{c_2}{T} + \frac{c_3}{T^2} + \frac{c_4}{T^3} + \frac{c_5}{T^4} + \frac{c_6}{T^5} \right) & b_6 &= \left(\frac{c_{14}}{T} \right) \\
 b_3 &= \left(c_7 + \frac{c_8}{T} + \frac{c_9}{T^2} \right) & b_7 &= \left(\frac{c_{15}}{T^3} + \frac{c_{16}}{T^4} + \frac{c_{17}}{T^5} \right) \\
 b_4 &= \left(c_{10} + \frac{c_{11}}{T} \right) & b_8 &= \left(\frac{c_{18}}{T^3} + \frac{c_{19}}{T^4} + \frac{c_{20}}{T^5} \right) \\
 b_5 &= \left(c_{12} + \frac{c_{13}}{T} \right)
 \end{aligned} \tag{A-4}$$

The thermal pressure coefficient, or $\left(\frac{\partial P}{\partial T}\right)_V$, is calculated using

$$\left(\frac{\partial P}{\partial T}\right)_V = \frac{P}{T} + \rho RT \left[\begin{aligned} & \left[x_2 \rho' + x_3 \rho'^2 + x_4 \rho'^3 + x_5 \rho'^4 + x_6 \rho'^5 + x_7 \rho'^2 \exp(-c_{21} \rho'^2) + \right. \\ & \left. x_8 \rho'^4 \exp(-c_{21} \rho'^2) + (c_{22} \rho' \exp(-c_{27} \Delta T^2))(-x_9 c_{27} 2 \Delta T) + \right] \\ & \left(c_{23} \frac{\Delta \rho}{\rho} \exp(-c_{25} \Delta \rho^2 - c_{27} \Delta T^2) \right) (-x_9 c_{27} 2 \Delta T) + \\ & \left(c_{24} \frac{\Delta \rho}{\rho} \exp(-c_{26} \Delta \rho^2 - c_{27} \Delta T^2) \right) (-x_9 c_{27} 2 \Delta T) \end{aligned} \right] \quad (\text{A-5})$$

where,

$$\begin{aligned} x_2 &= -\frac{1}{T_c} \left(\frac{c_2}{T'^2} + \frac{2c_3}{T'^3} + \frac{3c_4}{T'^4} + \frac{4c_5}{T'^5} + \frac{5c_6}{T'^6} \right) & x_6 &= -\frac{1}{T_c} \left(\frac{c_{14}}{T'^2} \right) \\ x_3 &= -\frac{1}{T_c} \left(\frac{c_8}{T'^2} + \frac{2c_9}{T'^3} \right) & x_7 &= -\frac{1}{T_c} \left(\frac{3c_{15}}{T'^4} + \frac{4c_{16}}{T'^5} + \frac{5c_{17}}{T'^6} \right) \\ x_4 &= -\frac{1}{T_c} \left(\frac{c_{11}}{T'^2} \right) & x_8 &= -\frac{1}{T_c} \left(\frac{3c_{18}}{T'^4} + \frac{4c_{19}}{T'^5} + \frac{5c_{20}}{T'^6} \right) \\ x_5 &= -\frac{1}{T_c} \left(\frac{c_{13}}{T'^2} \right) & x_9 &= -\frac{1}{T_c} \end{aligned} \quad (\text{A-6})$$

The isothermal compressibility, or $\left(\frac{\partial V}{\partial P}\right)_T$, is calculated using

$$V = \frac{RT}{P} \left[\begin{aligned} & \left[1 + b_2 \rho' + b_3 \rho'^2 + b_4 \rho'^3 + b_5 \rho'^4 + b_6 \rho'^5 + b_7 \rho'^2 \exp(-c_{21} \rho'^2) + b_8 \rho'^4 \exp(-c_{21} \rho'^2) \right] \\ & + c_{22} \rho'^2 \exp[-c_{27} (\Delta T)^2] + c_{23} \frac{\Delta \rho}{\rho} \exp[-c_{25} (\Delta \rho)^2 - c_{27} (\Delta T)^2] \\ & + c_{24} \frac{\Delta \rho}{\rho} \exp[-c_{26} (\Delta \rho)^2 - c_{27} (\Delta T)^2] \end{aligned} \right]$$

$$\left(\frac{\partial V}{\partial P} \right)_T = -\frac{RT}{P^2} \left[\begin{aligned}
& 1 + b_2 \rho' + b_3 \rho'^2 + b_4 \rho'^3 + b_5 \rho'^4 + b_6 \rho'^5 + b_7 \rho'^2 \exp(-c_{21} \rho'^2) + b_8 \rho'^4 \exp(-c_{21} \rho'^2) \\
& + c_{22} \rho'^2 \exp[-c_{27} (\Delta T)^2] + c_{23} \frac{\Delta \rho}{\rho} \exp[-c_{25} (\Delta \rho)^2 - c_{27} (\Delta T)^2] \\
& + c_{24} \frac{\Delta \rho}{\rho} \exp[-c_{26} (\Delta \rho)^2 - c_{27} (\Delta T)^2]
\end{aligned} \right] \\
\left. \begin{aligned}
& - b_2 \frac{v_c}{v^2} - 2b_3 \frac{v_c^2}{v^3} - 3b_4 \frac{v_c^3}{v^4} - 4b_5 \frac{v_c^4}{v^5} - 5b_6 \frac{v_c^5}{v^6} - 2b_7 \frac{v_c^2}{v^3} \exp\left(-c_{21} \frac{v_c^2}{v^2}\right) + \\
& 2b_7 c_{21} \frac{v_c^4}{v^5} \exp\left(-c_{21} \frac{v_c^2}{v^2}\right) - 4b_8 \frac{v_c^4}{v^5} \exp\left(-c_{21} \frac{v_c^2}{v^2}\right) + 2b_8 \frac{v_c^6}{v^7} \exp\left(-c_{21} \frac{v_c^2}{v^2}\right) - \\
& c_{22} \frac{v_c}{v^2} \exp(-c_{27} \Delta T^2) + c_{23} \left(\frac{1}{v_c} - \frac{2v}{v_c^2} \right) \exp\left(-c_{25} \left(1 - \frac{v}{v_c} \right)^2 - c_{27} \Delta T^2\right) + \\
& \frac{RT}{P} \left[\begin{aligned}
& 2c_{23} c_{25} \left(\frac{v}{v_c} - \frac{v^2}{v_c^2} \right) \left(\frac{1}{v_c} - \frac{v}{v_c^2} \right) \exp\left(-c_{25} \left(1 - \frac{v}{v_c} \right)^2 - c_{27} \Delta T^2\right) + \\
& c_{24} \left(\frac{1}{v_c} - \frac{2v}{v_c^2} \right) \exp\left(-c_{26} \left(1 - \frac{v}{v_c} \right)^2 - c_{27} \Delta T^2\right) + \\
& 2c_{24} c_{26} \left(\frac{v}{v_c} - \frac{v^2}{v_c^2} \right) \left(\frac{1}{v_c} - \frac{v}{v_c^2} \right) \exp\left(-c_{26} \left(1 - \frac{v}{v_c} \right)^2 - c_{27} \Delta T^2\right)
\end{aligned} \right]
\end{aligned} \right] \quad (A-7)$$

The isobaric thermal expansion coefficient, or $\left(\frac{\partial V}{\partial T} \right)_P$, is calculated using

$$\left(\frac{\partial V}{\partial T} \right)_P = \frac{\left(\frac{\partial P}{\partial T} \right)_V}{-\left(\frac{\partial P}{\partial V} \right)_T} \quad (A-8)$$

where

$$\left(\frac{\partial P}{\partial v} \right)_T = -\frac{P}{v} - \frac{RT}{v} \left[\begin{aligned} & b_2 \frac{v_c}{v^2} + 2b_3 \frac{v_c^2}{v^3} + 3b_4 \frac{v_c^3}{v^4} + 4b_5 \frac{v_c^4}{v^5} + 5b_6 \frac{v_c^5}{v^6} + 2b_7 \frac{v_c^2}{v^3} \exp\left(-c_{21} \frac{v_c^2}{v^2}\right) - \\ & 2b_7 c_{21} \frac{v_c^4}{v^5} \exp\left(-c_{21} \frac{v_c^2}{v^2}\right) + 4b_8 \frac{v_c^4}{v^5} \exp\left(-c_{21} \frac{v_c^2}{v^2}\right) - 2b_8 \frac{v_c^6}{v^7} \exp\left(-c_{21} \frac{v_c^2}{v^2}\right) + \\ & c_{22} \frac{v_c}{v^2} \exp(-c_{27} \Delta T^2) - c_{23} \left(\frac{1}{v_c} - \frac{2v}{v_c^2} \right) \exp\left(-c_{25} \left(1 - \frac{v}{v_c} \right)^2 - c_{27} \Delta T^2\right) - \\ & 2c_{23} c_{25} \left(\frac{v}{v_c} - \frac{v^2}{v_c^2} \right) \left(\frac{1}{v_c} - \frac{v}{v_c^2} \right) \exp\left(-c_{25} \left(1 - \frac{v}{v_c} \right)^2 - c_{27} \Delta T^2\right) - \\ & c_{24} \left(\frac{1}{v_c} - \frac{2v}{v_c^2} \right) \exp\left(-c_{26} \left(1 - \frac{v}{v_c} \right)^2 - c_{27} \Delta T^2\right) - \\ & 2c_{24} c_{26} \left(\frac{v}{v_c} - \frac{v^2}{v_c^2} \right) \left(\frac{1}{v_c} - \frac{v}{v_c^2} \right) \exp\left(-c_{26} \left(1 - \frac{v}{v_c} \right)^2 - c_{27} \Delta T^2\right) \end{aligned} \right] \quad (\text{A-9})$$

and $\left(\frac{\partial P}{\partial T} \right)_V$ is given by eqns. (A-5) and (A-6).

1 Huang, F., Li, M., Lee, L., and Starling, K., 1985, *An Accurate Equation of State for Carbon Dioxide*, Journal of Chemical Engineering of Japan, Vol. 18, No. 6.

Appendix B : Ideal Solubility of Gases in Liquids and Published CO₂ Solubility Data.

Published CO₂ gas solubility data in 103 liquid solvents was gathered from the available literature and is presented in Table B-3. Two of these solvents, triethylamine and 1,4-dioxane were subsequently deleted from the data set based on their known tendency to chemically react with CO₂, similar to the type of reaction shown in Section 2.2.¹ All of the solubility data shown in Table B-3 was either experimentally determined at 25°C and a CO₂ partial pressure of 1 atmosphere, or, where the literature solubility data was reported at p_{CO₂} other than 1 atmosphere were converted to p_{CO₂} = 1 atm using Henry's law, eqn. (B-1).²

$$x_2 = \frac{p_2}{K_H} \quad (\text{B-1})$$

Where K_H is the Henry's law coefficient, p₂ is the partial pressure of the gas, and x₂ is the mole fraction of dissolved gas. Henry's Law, applicable for dilute solutions, states that the amount of gas which dissolves in a liquid is proportional to its partial pressure³

The literature data on CO₂ gas solubility is reported in several ways. Generally, solubilities were reported as the mole fraction of dissolved CO₂, x₂, or as one of two dimensionless quantities; the Bunsen coefficient or the Ostwald coefficient. The Bunsen coefficient, **W**, is defined as the volume of gas, reduced to 0°C and 1 atmosphere, dissolved per unit volume of solvent at a system temperature *T* under a gas pressure of 1 atmosphere. The Ostwald coefficient, *L*, is defined as the ratio of the volume of gas

absorbed to the volume of the absorbing liquid, all measured at the same temperature.⁴ If the solubility is small and the gas phase is ideal, the Ostwald coefficient is independent of P and these two coefficients are simply related by.⁵

$$L = \frac{T}{273} \Omega \quad (\text{B-2})$$

The mole fraction of dissolved CO₂ can then be calculated using⁶

$$x_2 = \left[\left(\frac{RT}{Lp_2 V_1^0} \right) + 1 \right]^{-1} \quad (\text{B-3})$$

where R is the gas constant, T is the absolute temperature, p_2 the partial pressure of the gas, and V_1^0 the molar volume of the pure solvent. This equation assumes ideal gas behavior.

Mole fraction CO₂ solubility, solvent property values, literature Hansen solubility parameter values, Ostwald coefficients, and the gas solubility reference are tabulated and follow this discussion.

Ideal Solubility of Gases in Liquids

Solutions which come close to approximating ideal solutions are those which are very dilute, or those where the molecular species are so nearly alike that a given molecule is subject to the same intermolecular forces (both attractive and repulsive) in the mixture as in its own pure phase. (In very dilute solutions, the intermolecular forces on a solute molecule may be quite different than in the pure solute phase, but the solute molecules are far enough apart that solute-solute interactions do not manifest themselves.) The

concept of an ideal solution is often an appropriate approximation for gases dissolved in liquids, since at modest pressures, most gases are only sparingly soluble in typical liquids⁷.

Thermodynamically, an ideal solution is defined as one in which the activity, a , equals the mole fraction, x_i , over the entire composition range and over a nonzero range of temperature and pressure.⁸

$$x_i = a_i = \frac{f_i}{f_i^o} \quad (\text{B-4})$$

The activity of a substance gives an indication of how “active” a substance is relative to its standard state since it provides a measure of the difference in chemical potential at the state of interest and that at the standard state.⁹ The term fugacity, f , was introduced by Lewis¹⁰ as a measure of thermodynamic escaping tendency and is equal to the effective gas pressure corrected for deviations from ideality. In eqn. (B-4) f_i is the fugacity of component i at partial pressure p_i , and f_i^o is the fugacity at the saturation pressure of i , P_i^s , at the solution temperature. Equation (B-4) is an empirical rule suggested by Lewis and Randall¹¹ that assumes imperfect gas mixtures behave as ideal mixtures.

When deviations from the ideal gas law are small, generally at low pressures, then the effect of pressure on the fugacity of component i is negligible and the fugacity terms in eqn. (B-4) approach the partial pressure and saturation pressure of i , respectively. In this situation, therefore, the ratio of the partial pressure and saturation pressure can now be used to express the mole fraction, x_i .

$$x_i = \frac{p_i}{P_i^s} \quad (\text{B-5})$$

Equation (B-5) is known as Raoult's law, and the mole fraction, as calculated from Raoult's law, is referred to as the ideal gas solubility. The ideal solubility calculated from eqn. (B-5) usually gives correct order of magnitude results provided that P_i^s is not large and the solution temperature is well below the critical temperature of the solvent and not excessively above the critical temperature of the gaseous solute.¹² Table B-1 evaluates the ideal solubility of CO₂ calculated using eqn. (B-5) for the temperature range 0°C to 30°C.

Table B-1. Ideal Carbon Dioxide Solubility Calculated using Raoult's law, $p_{CO_2} = 1 \text{ atm}$.

T (°C)	P _{CO₂} (atm)	x _{CO₂} ^{ideal} = 1/P _{CO₂} ^s
0	34.40	0.0291
15	50.19	0.0199
20	56.60	0.0177
25	63.50	0.0157
30	71.12	0.0141

From Table B-1, Raoult's law predicts an ideal CO₂ solubility of $x_{CO_2}^{ideal} = 0.0157$ at T = 25°C, and this value has been used in several of the published CO₂ solubility studies.^{13,14,15}

It has been noted by Prausnitz, *et al.*,¹⁶ that the simplest way to reduce eqn. (B-4) to a more useful form is to rewrite it in the manner suggested by Raoult's law, eqn. (B-5). In doing so, however, they caution that several assumptions are made, and errors in the use of this estimation technique for the solubility of gases in liquids can be significant, especially when the saturation pressure of the gas is high. Therefore, in cases where the saturation pressure of the gas is above 1 atmosphere, it is necessary to consider the error in using p_i/P_i^s instead of f_i/f_i^o . Table B-2 gives the saturation pressures of CO₂ for

the temperature range 0°C to 30°C, as well as the fugacities and calculated ideal solubilities using both methodologies.

Table B-2. Ideal Carbon Dioxide Solubility Calculated using Raoult's law and Fugacities, $p_{CO_2} = 1$ atmosphere.

T (°C)	$P_{CO_2}^s$ (atm)	f_{CO_2} $p_{CO_2} = 1$ atm	$f_{CO_2}^o$ at $P_{CO_2}^s$	$x_{CO_2}^{ideal}$ $= 1/P_{CO_2}^s$	$x_{CO_2}^{ideal}$ $= f_{CO_2}/f_{CO_2}^o$	% Diff.
0	34.4	.9928	26.51	0.0291	0.0375	28
15	50.19	.9941	36.04	0.0199	0.0276	39
20	56.6	.9944	39.6	0.0177	0.0251	42
25	63.5	.9947	43.3	0.0157	0.0229	46
30	71.12	.9950	47.17	0.0141	0.0211	49

From Table B-2 it appears that the assumption of Raoult's law for the determination of ideal CO₂ solubility in liquids results in significant error. The ideal CO₂ solubility at 25°C and 1 atmosphere partial pressure as calculated from CO₂ fugacities¹⁷ is $x_{CO_2}^{ideal} = 0.0229$, compared with a Raoult's law prediction of $x_{CO_2}^{ideal} = 0.0157$. This value was also used by Gjalkbaek *et al.*^{18,19} in their work comparing experimental and calculated CO₂ gas solubilities.

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Appendix B: Table B-3: Literature Values of CO₂ gas solubility in Liquids.

CO ₂ solubility in various solvents				mole frac	Actual/ Ideal					Ostwald	Ref
Ideal Solubility	298.15	0.022900	1			δ_D (Mpa) ^{1/2}	δ_P (Mpa) ^{1/2}	δ_H (Mpa) ^{1/2}	δ_T (Mpa) ^{1/2}		
Formula	Solvent	Temp (K)	Pvap	mole frac	CO ₂	Ref ¹	Ref ¹	Ref ¹	Calc	Ostwald	Ref Coeff.
C ₂ H ₄ O ₂	Acetic Acid	298.15	0.9795	0.010894	0.4757	14.50	8.00	13.50	21.37	4.679	2
C ₂ H ₄ O ₂	Acetic Acid	298.15	0.9795	0.011219	0.4899	14.50	8.00	13.50	21.37	4.82	3
C ₄ H ₆ O ₃	Acetic Anhydride	298.15	0.9928	0.019774	0.8635	16.00	11.70	10.20	22.29	5.206	4
C ₃ H ₆ O	Acetone	298.15	0.6998	0.018763	0.8193	15.50	10.40	7.00	19.94	6.295	5
C ₃ H ₆ O	Acetone	298.15	0.6998	0.019028	0.8309	15.50	10.40	7.00	19.94	6.385	6
C ₃ H ₆ O	Acetone	298.15	0.6998	0.018960	0.8279	15.50	10.40	7.00	19.94	6.385	7
C ₃ H ₆ O	Acetone	298.15	0.6998	0.018959	0.8279	15.50	10.40	7.00	19.94		8
C ₃ H ₆ O	Acetone	298.15	0.6998	0.022591	0.9865	15.50	10.40	7.00	19.94	7.6	9
C ₃ H ₆ O	Acetone	298.15	0.6998	0.020922	0.9136	15.50	10.40	7.00	19.94	7.03	10
C ₇ H ₁₄ O ₂	Amyl Acetate	298.15	0.9954	0.028000	1.2227	15.80	3.30	6.10	17.26		11
C ₇ H ₁₄ O ₂	Amyl Acetate	298.15	0.9954	0.024522	1.0708	15.80	3.30	6.10	17.26	4.119	12
C ₇ H ₁₄ O ₂	Amyl Acetate	298.15	0.9954	0.026122	1.1407	15.80	3.30	6.10	17.26	4.395	13
C ₅ H ₁₁ Br	Amylbromide	298.15	0.9858	0.012353	0.5394	20.30	4.80	2.80	21.05	2.455	14
C ₅ H ₁₁ Cl	Amylchloride	298.15	0.9571	0.014244	0.6220	15.50	5.00	1.30	16.34	2.91	15
C ₆ H ₇ N	Aniline (Phenylamine)	298.15	0.9994	0.004926	0.2151	19.40	5.10	10.20	22.50	1.324	16
C ₆ H ₇ N	Aniline (Phenylamine)	298.15	0.9994	0.004856	0.2121	19.40	5.10	10.20	22.50	1.305	17
C ₆ H ₇ N	Aniline (Phenylamine)	298.15	0.9994	0.004874	0.2129	19.40	5.10	10.20	22.50	1.31	18
C ₆ H ₇ N	Aniline (Phenylamine)	298.15	0.9994	0.004874	0.2129	19.40	5.10	10.20	22.50	1.31	19
C ₇ H ₆ O	Benzaldehyde	298.15	0.9985	0.011401	0.4979	19.40	7.40	5.30	21.43	2.765	20
C ₇ H ₆ O	Benzaldehyde	298.15	0.9985	0.011711	0.5114	19.40	7.40	5.30	21.43	2.841	21
C ₆ H ₆	Benzene	298.15	0.8633	0.009620	0.4201	18.40	0.00	2.00	18.51		22
C ₆ H ₆	Benzene	298.15	0.8759	0.008801	0.3843	18.40	0.00	2.00	18.51	2.425	23
C ₇ H ₇ Cl	Benzylchloride	298.15		0.009120	0.3983	18.80	7.10	2.60	20.26	1.938	24
C ₆ H ₅ Br	Bromobenzene	298.15	0.9945	0.007887	0.3444	20.50	5.50	4.10	21.62	1.842	25

CO2 solubility in various solvents									
Formula	Solvent	Temp (K)	Pvap	mole frac CO2	mole frac CO2	Actual/Ideal	δ_D (Mpa) ^{1/2}	δ_P (Mpa) ^{1/2}	δ_H (Mpa) ^{1/2}
					298.15	0.022900			δ_T (Mpa) ^{1/2}
C4H10O	Butanol	298.15	0.9908	0.008868	0.3872	16.00	5.70	15.80	23.20
C4H10O	Butanol	298.15	0.9908	0.007343	0.3207	16.00	5.70	15.80	23.20
C4H10O	Butanol	298.15		0.007180	0.3135	16.00	5.70	15.80	23.20
C4H10O	2-Butanol	298.15		0.006599	0.2882	15.80	5.70	14.50	22.19
C4H10O	t-Butanol	298.15		0.007249	0.3166	15.20	5.10	14.70	21.75
C22H42O2	Butyl oleate	298.15		0.027900	1.2183	14.70	3.40	3.40	15.47
C4H8O2	Butyric Acid	298.15	0.9988	0.012973	0.5665	14.90	4.10	10.60	18.74
CS2	Carbon disulfide	298.15	0.5300	0.002153	0.0940	20.50	0.00	0.60	20.51
CS2	Carbon disulfide	298.15	0.5300	0.003280	0.1432	20.50	0.00	0.60	20.51
CCl4	Carbon tetrachloride	298.15	0.8509	0.011000	0.4803	17.80	0.00	0.60	17.81
CCl4	Carbon tetrachloride	298.15	0.8326	0.010590	0.4624	17.80	0.00	0.60	17.81
CCl4	Carbon tetrachloride	298.15	0.8509	0.009041	0.3948	17.80	0.00	0.60	17.81
C6H5Cl	Chlorobenzene	298.15	0.9844	0.009377	0.4095	19.00	4.30	2.00	19.58
C6H5Cl	Chlorobenzene	298.15	0.9844	0.009808	0.4283	19.00	4.30	2.00	19.58
CHCl3	Chloroform	298.15	0.7422	0.011214	0.4897	17.80	3.10	5.70	18.95
CHCl3	Chloroform	298.15	0.7422	0.012769	0.5576	17.80	3.10	5.70	18.95
CHCl3	Chloroform	298.15	0.7422	0.011263	0.4918	17.80	3.10	5.70	18.95
C9H12	Methyl ethyl benzene	298.15	0.9991	0.010077	0.4401	16.10	7.00	0.00	17.56
C7H14	Cycloheptane	298.15	0.9718	0.007210	0.3148	17.20	0.00	0.00	17.20
C7H12O	Cycloheptanone	298.15	0.9951	0.015880	0.6934	17.20	10.60	4.80	20.77
C6H12	Cyclohexane	298.15	0.8713	0.007710	0.3367	16.80	0.00	0.20	16.80
C6H12	Cyclohexane	298.15	0.8713	0.007600	0.3319	16.80	0.00	0.20	16.80
C6H12	Cyclohexane	298.15	0.8713	0.007740	0.3380	16.80	0.00	0.20	16.80
C6H12O	Cyclohexanol	298.15	0.9990	0.004711	0.2057	17.40	4.10	13.50	22.40
C6H10O	Cyclohexanone	298.15		0.016000	0.6987	17.80	6.30	5.10	19.56

CO2 solubility in various solvents												
Formula	Solvent	Temp (K)	Pvap	mole frac CO2	Actual/ Ideal		δ_D (Mpa) ^{1/2}	δ_P (Mpa) ^{1/2}	δ_H (Mpa) ^{1/2}	δ_T (Mpa) ^{1/2}	Ostwald Coeff.	Ref
					Ideal Solubility	298.15	0.022900	1				
C8H16	Cyclooctane	298.15	0.9930	0.006880	0.3004	17.50	0.00	0.00	17.50	17.50	53	
C8H16	Cyclooctane	298.15	0.9930	0.006860	0.2996	17.50	0.00	0.00	17.50	1.247	54	
C5H10	Cyclopentane	298.15	0.9971	0.004914	0.2146	16.40	0.00	1.80	16.50	16.50	55	
C5H8O	Cyclopentanone	298.15	0.9955	0.016410	0.7166	17.90	11.90	5.20	22.11	22.11	56	
C10H22	Decane	298.15	0.9981	0.012036	0.5256	15.70	0.00	0.00	15.70	1.525	57	
C10H22	Decane	298.15	0.9981	0.012500	0.5459	15.70	0.00	0.00	15.70	15.70	58	
C10H22O	Decanol	298.15	1.0000	0.009730	0.4249	17.50	2.60	10.00	20.32	2.085	59	
C2H4Br2	1,2-Dibromoethane	298.15	0.9826	0.008120	0.3546	17.80	6.40	7.00	20.17	2.18	60	
C2H4Br2	1,2-Dibromoethane	298.15	0.9826	0.008035	0.3509	17.80	6.40	7.00	20.17	2.157	61	
C2H4Br2	1,2-Dibromoethane	298.15	0.9826	0.007972	0.3481	17.80	6.40	7.00	20.17	2.14	62	
C2H4Br2	1,2-Dibromoethane	298.15	0.9826	0.008379	0.3659	17.80	6.40	7.00	20.17	2.25	63	
C3H6Cl2O	1,3-dichloro-2-propanol	298.15		0.007460	0.3258	17.50	9.90	14.60	24.85	1.81	64	
CH2Cl2	Dichloromethane	298.15		0.012500		18.20	6.30	6.10	20.20	20.20	65	
C8H14O	2,6-Dimethylcyclohexanone	298.15	0.9913	0.016800	0.7336	15.20	8.80	3.30	17.87	17.87	66	
C2H6OS	Dimethyl Sulfoxide	298.15	0.9992	0.009080	0.3965	18.40	16.40	10.20	26.68	26.68	67	
C2H6OS	Dimethyl Sulfoxide	298.15	0.9992	0.009074	0.3962	18.40	16.40	10.20	26.68	26.68	68	
C2H6OS	Dimethyl Sulfoxide	298.15	0.9992	0.009447	0.4125	18.40	16.40	10.20	26.68	3.27	69	
C3H7NO	Dimethylformamide	298.15		0.016100	0.7031	17.40	13.70	11.30	24.86	24.86	70	
C4H8O2	1,4-Dioxane	298.15		0.022720	0.9921	19.00	1.80	7.40	20.47	20.47	71	
C12H26	Dodecane	298.15	0.9998	0.014279	0.6235	16.00	0.00	0.00	16.00	1.55	72	
C12H26	Dodecane	298.15	0.9998	0.012900	0.5633	16.00	0.00	0.00	16.00	16.00	73	
C12H26	Dodecane	298.15	0.9998	0.011912	0.5202	16.00	0.00	0.00	16.00	1.29	74	
C12H26O	Dodecanol	298.15	1.0000	0.018110	0.7908	15.50	6.50	10.80	19.98	2.01	75	
C2H6O	Ethanol	298.15	0.9228	0.006422	0.2804	15.80	8.80	19.40	26.52	2.7	76	
C2H6O	Ethanol	298.15	0.9228	0.006424	0.2805	15.80	8.80	19.40	26.52	2.7	77	

CO2 solubility in various solvents									
Formula	Solvent	Temp (K)	Pvap	mole frac	Actual/ Ideal	δ_D (Mpa) ^{1/2}	δ_P (Mpa) ^{1/2}	δ_H (Mpa) ^{1/2}	δ_T (Mpa) ^{1/2}
				CO2	1				
C2H6O	Ethanol	298.15		0.022900					
C4H8O2	Ethyl acetate	298.15							
C8H10	Ethylbenzene	298.15							
C2H4Cl2	Ethylene Chloride	298.15	0.8966						
C2H6O2	Ethylene Glycol	298.15							
C10H12O2	Eugenol	298.15							
C5H9NO2	N-Formyl morpholine	298.15							
C3H8O3	Glycerol (glycerin)	298.15	1.0000						
C7H16	Heptane	298.15	0.9405						
C7H16	Heptane	298.15	0.9405						
C7H16	Heptane	298.15	0.9360						
C7H16	Heptane	298.15	0.9405						
C7H16O	Heptanol	298.15	0.9997						
C16H34	Hexadecane	298.15	1.0000						
C16H34	Hexadecane	298.15	1.0000						
C6H14	Hexane	298.15	0.8005						
C6H14	Hexane	298.15	0.8005						
C6H14O	Hexanol	298.15	0.9988						
C5H5I	Iodobenzene	298.15	0.9986						
C5H12O	Isoamyl Alcohol	298.15	0.9960						
C4H10O	Isobutanol	298.15	0.9864						
C4H10O	Isobutanol	298.15	0.9864						
C6H12O2	Isobutyl Acetate	298.15	0.9768						
C4H9Cl	Isobutylchloride	298.15							
C3H8O	Isopropanol	298.15							

CO2 solubility in various solvents											
				mole frac	Actual/ Ideal						
Ideal Solubility		298.15		CO2	1						
Formula	Solvent	Temp (K)	Pvap	mole frac		δ_D (Mpa) ^{1/2} Ref ¹⁰⁴	δ_P (Mpa) ^{1/2} Ref ¹	δ_H (Mpa) ^{1/2} Ref ¹	δ_T (Mpa) ^{1/2} Calc	Ostwald Coeff.	Ref
CH4O	Methanol	298.15	0.8354	0.006406	0.2797	15.10	12.30	22.30	29.61	3.87	105
CH4O	Methanol	298.15	0.8354	0.005640	0.2463	15.10	12.30	22.30	29.61	3.405	106
CH4O	Methanol	298.15	0.8354	0.005634	0.2460	15.10	12.30	22.30	29.61		107
CH4O	Methanol	298.15	0.8354	0.006351	0.2774	15.10	12.30	22.30	29.61	3.837	108
C3H6O2	Methyl Acetate	298.15	0.7199	0.020893	0.9123	15.50	7.20	7.60	18.70	6.494	109
C3H6O2	Methyl Acetate	298.15	0.7199	0.022526	0.9837	15.50	7.20	7.60	18.70	7.01	110
C7H14	Methyl cyclo hexane	298.15	0.9399	0.009266	0.4046	16.00	0.00	1.00	16.03	1.784	111
C7H12O	2-Methylcyclohexanone	298.15	0.9945	0.016600	0.7249	17.60	6.30	4.70	19.28		112
C4H8O	Methyl ethyl ketone	298.15	0.8752	0.024438	1.0672	16.00	9.00	5.10	19.05	6.77	113
C11H10	1-Methyl naphthalene	298.15		0.006740	0.2943	20.60	0.80	4.70	21.14		114
C19H36O2	Methyl oleate	298.15		0.026900	1.1747	14.50	3.90	3.70	15.46		115
C6H5NO2	Nitrobenzene	298.15	0.9997	0.010202	0.4455	20.00	8.60	4.10	22.15	2.456	116
C6H5NO2	Nitrobenzene	298.15	0.9997	0.009972	0.4355	20.00	8.60	4.10	22.15	2.4	117
C5H9NO	N-Methylpyrrolidone	298.15	0.9996	0.015900	0.6943	18.00	12.30	7.20	22.96		118
C9H20	Nonane	298.15	0.9942	0.012312	0.5376	15.70	0.00	0.00	15.70	1.7	119
C9H20O	Nonanol	298.15	1.0000	0.014805	0.6465	15.30	7.30	12.00	20.77	2.1	120
C8H18	Octane	298.15	0.9816	0.012535	0.5474	15.50	0.00	0.00	15.50	1.9	121
C8H18	Octane	298.15	0.9816	0.012100	0.5284	15.50	0.00	0.00	15.50		122
C8H18O	Octanol	298.15	0.9999	0.009301	0.4062	17.00	3.30	11.90	21.01	2.18	123
C18H34O2	Oleic acid	298.15		0.015700	0.6856	16.20	3.10	5.50	17.39		124
C15H32	Pentadecane	298.15	1.0000	0.011666	0.5094	16.80	0.00	0.00	16.80	1.04	125
C5H12	Pentane	298.15	0.3280	0.013851	0.6048	14.50	0.00	0.00	14.50	2.93	126
C5H12O	Pentanol (Amyl alcohol)	298.15	0.9968	0.008059	0.3519	15.90	4.50	13.90	21.59	1.831	127
C7F16	Perfluoroheptane	298.15	0.8997	0.020880	0.9118	12.00	0.00	0.00	12.00		128
C8H7N	Phenyl acetonitrile	298.15	1.0000	0.009572	0.4180	19.50	12.30	3.80	23.37	2.05	129

CO2 solubility in various solvents											
				mole frac	Actual/ CO2	Ideal					
Ideal Solubility		298.15		0.022900	1						
Formula	Solvent	Temp (K)	Pvap	mole frac			δ_D (Mpa) ^{1/2}	δ_P (Mpa) ^{1/2}	δ_H (Mpa) ^{1/2}	δ_T (Mpa) ^{1/2}	Ostwald Coeff.
				CO2	Ref ¹³⁰	Ref ¹	Ref ¹	Calc	Ref		
C3H8O	Propanol	298.15	0.9730	0.007817	0.3414	16.00	6.80	17.40	24.60	2.8	131
C3H8O	Propanol	298.15		0.006800	0.2969	16.00	6.80	17.40	24.60	2.498	132
C3H8O	Propanol	298.15	0.9730	0.007594	0.3316	16.00	6.80	17.40	24.60	2.498	133
C3H6O2	Propionic Acid	298.15	0.9952	0.012344	0.5390	14.70	5.30	12.40	19.95	4.078	134
C3H5N	Propionitrile	298.15	0.9382	0.016769	0.7323	15.30	14.30	5.50	21.65	5.88	135
C5H10O2	Propylacetate	298.15	0.9566	0.024290	1.0607	15.30	4.30	7.60	17.62	5.26	136
C3H6Br2	Propylene bromide	298.15	0.9896	0.009768	0.4266	17.40	7.50	2.90	19.17	2.301	137
C4H6O3	Propylene carbonate	298.15		0.010736	0.4688	20.00	18.00	4.10	27.22		138
C4H6O3	Propylene carbonate	298.15	1.0000	0.011617	0.5073	20.00	18.00	4.10	27.22	3.38	139
C4H6O3	Propylene carbonate	298.15	1.0000	0.012100	0.5284	20.00	18.00	4.10	27.22	3.38	140
C5H5N	Pyridine	298.15	0.9729	0.011934	0.5211	19.00	8.80	5.90	21.75	3.656	141
C5H5N	Pyridine	298.15	0.9729	0.011689	0.5104	19.00	8.80	5.90	21.75	3.58	142
C5H5N	Pyridine	298.15	0.9729	0.011979	0.5231	19.00	8.80	5.90	21.75	3.67	143
C9H7N	Quinoline	298.15		0.009120	0.3983	19.40	7.00	7.60	21.98		144
C4H8O2S	Sulfolane	298.15	1.0000	0.007990	0.3489	18.40	16.60	7.40	25.86		145
C14H30	Tetradecane	298.15	1.0000	0.011714	0.5115	16.20	0.00	0.00	16.20	1.108	146
C14H30	Tetradecane	298.15	1.0000	0.013600	0.5939	16.20	0.00	0.00	16.20		147
C4H8O	Tetrahydrofuran	298.15		0.027000	1.1790	16.80	5.70	8.00	19.46		148
C10H12	Tetrahydronaphthalene	298.15		0.007523	0.3285	19.60	2.00	2.90	19.91		149
C7H9N	m-Toluidine	298.15	0.9996	0.006345	0.2771	19.30	3.80	10.10	22.11	1.436	150
C7H9N	o-Toluidine	298.15	0.9997	0.006048	0.2641	19.40	4.20	10.70	22.55	1.381	151
C7H8	Toluene (Methyl benzene)	298.15	0.9629	0.009940	0.4340	18.00	1.40	2.00	18.16	2.305	152
C7H8	Toluene (Methyl benzene)	298.15	0.9629	0.010102	0.4411	18.00	1.40	2.00	18.16	2.343	153
C7H8	Toluene (Methyl benzene)	298.15	0.9629	0.010419	0.4550	18.00	1.40	2.00	18.16		154
C7H8	Toluene (Methyl benzene)	298.15	0.9629	0.010388	0.4536	18.00	1.40	2.00	18.16	2.41	155

CO ₂ solubility in various solvents											
				mole frac	Actual/ CO ₂	Ideal					
Ideal Solubility		298.15		0.022900	1		δ_D (Mpa) ^{1/2}	δ_P (Mpa) ^{1/2}	δ_H (Mpa) ^{1/2}	δ_T (Mpa) ^{1/2}	
Formula	Solvent	Temp (K)	Pvap	mole frac	CO ₂	Ref ¹⁵⁶	Ref ¹	Ref ¹	Calc	Ostwald Coeff.	Ref
C12H27O4P	Tributyl phosphate	298.15		0.035500	1.5502	16.30	6.30	4.30	18.00		157
C2Cl3F3	1,1,2-Trichlorotrifluoroethane	298.15	0.5585	0.018230	0.7961	14.70	1.60	0.00	14.79		158
C13H28	Tridecane	298.15	0.9999	0.011753	0.5132	16.40	0.00	0.00	16.40	1.19	159
C6H15N	Triethylamine	298.15	0.9105	0.023207	1.0134	17.80	0.40	1.00	17.83	4.15	160
C8H18	2,2,4-Trimethylpentane	298.15	0.9356	0.013870	0.6057	14.10	0.00	0.00	14.10		161
C11H24	Undecane	298.15	0.9995	0.011483	0.5014	16.00	0.00	0.00	16.00	1.34	162
C11H24O	Undecanol	298.15	1.0000	0.017078	0.7457	15.40	6.70	11.20	20.19	2.05	163
H ₂ O	Water	298.15	0.9690	0.000700	0.0306	15.50	16.00	42.30	47.81		164
H ₂ O	Water	298.15	0.9690	0.000592	0.0258	15.50	16.00	42.30	47.81	0.8256	165
H ₂ O	Water	298.15	0.9690	0.000597	0.0261	15.50	16.00	42.30	47.81	0.833	166
H ₂ O	Water	298.15	0.9690	0.000612	0.0267	15.50	16.00	42.30	47.81		167
C8H10	o-Xylene	298.15	0.9913	0.009937	0.4339	17.80	1.00	3.10	18.10	2.026	168
C8H10	m-Xylene (dimethylbenzene)	298.15	0.9989	0.010424	0.4552	17.40	1.00	3.10	17.70	2.09	169
C8H10	m-Xylene (dimethylbenzene)	298.15	0.9989	0.010631	0.4642	17.40	1.00	3.10	17.70	2.127	170
C8H10	p-Xylene	298.15	0.9885	0.010865	0.4744	17.40	1.00	3.10	17.70	2.169	171

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Appendix B: Table B-4: CO₂ Solubility Sphere Optimization, RED Calculations

		CO ₂	δ_D (Mpa) ^{1/2}	δ_P (Mpa) ^{1/2}	δ_H (Mpa) ^{1/2}	Ro			
		Data Set (2) Opt best solvents	15.6	5.2	5.8	4.0			
		Data Set (1) Opt all solvents	16.4	5.5	5.8	4.7			
CO ₂ solubility in various solvents @ P _{CO₂} = 1 atm, 25 C									
Formula	Solvent	mole frac CO ₂	δ_D (Mpa) ^{1/2}	δ_P (Mpa) ^{1/2}	δ_H (Mpa) ^{1/2}	Ra (2)	RED (2)	Ra (1)	RED (1)
C12H27O4P	Tributyl phosphate	0.035500	16.3	6.3	4.3	2.3	0.582	1.7	0.364
C7H14O2	Amyl Acetate	0.028000	15.8	3.3	6.1	2.0	0.491	2.5	0.537
C22H42O2	Butyl Oleate	0.027900	14.7	3.4	3.4	3.5	0.875	4.7	0.992
C4H8O	Tetrahydrofuran	0.027000	16.8	5.7	8.0	3.3	0.823	2.3	0.500
C19H36O2	Methyl oleate	0.026900	14.5	3.9	3.7	3.3	0.827	4.6	0.984
C6H12O2	Isobutyl Acetate	0.025004	15.1	3.7	6.3	1.9	0.468	3.2	0.681
C4H8O	Methyl ethyl ketone	0.024438	16.0	9.0	5.1	3.9	0.986	3.7	0.778
C5H10O2	Propylacetate	0.024290	15.3	4.3	7.6	2.1	0.525	3.1	0.656
C4H8O2	Ethyl acetate	0.023000	15.8	5.3	7.2	1.5	0.365	1.9	0.395
C3H6O2	Methyl Acetate	0.022526	15.5	7.2	7.6	2.7	0.675	3.1	0.651
C7F16	Perfluroheptane	0.020880	12.0	0.0	0.0	10.6	2.652	11.9	2.529
C3H6O	Acetone	0.019870	15.5	10.4	7.0	5.3	1.335	5.4	1.140
C4H6O3	Acetic Anhydride	0.019774	16.0	11.7	10.2	7.9	1.972	7.6	1.627
C2Cl3F3	1,1,2-Trichlorotrifluoroethane	0.018230	14.7	1.6	0.0	7.1	1.765	7.8	1.654
C12H26O	Dodecanol	0.018110	15.5	6.5	10.8	5.2	1.293	5.4	1.151
C11H24O	Undecanol (n-Undecyl alcohol)	0.017078	15.4	6.7	11.2	5.6	1.405	5.9	1.252
C8H14O	2,6-Dimethylcyclohexanone	0.016800	15.2	8.8	3.3	4.5	1.114	4.8	1.018
C3H5N	Propionitrile	0.016769	15.3	14.3	5.5	9.1	2.281	9.1	1.931
C7H12O	2-Methylcyclohexanone	0.016600	17.6	6.3	4.7	4.3	1.073	2.8	0.587
C5H8O	Cyclopentanone	0.016410	17.9	11.9	5.2	8.1	2.037	7.1	1.509
C3H7NO	Dimethylformamide	0.016100	17.4	13.7	11.3	10.7	2.686	10.1	2.143

		CO2	δ_D (Mpa) $^{1/2}$	δ_F (Mpa) $^{1/2}$	δ_H (Mpa) $^{1/2}$	Ro			
	Data Set (2) Opt best solvents		15.6	5.2	5.8	4.0			
	Data Set (1) Opt all solvents		16.4	5.5	5.8	4.7			
CO2 solubility in various solvents @ P_{CO_2} = 1 atm, 25 C									
Formula	Solvent	mole frac CO2	δ_D (Mpa) $^{1/2}$	δ_F (Mpa) $^{1/2}$	δ_H (Mpa) $^{1/2}$	Ra (2)	RED (2)	Ra (1)	RED (1)
C6H10O	Cyclohexanone	0.016000	17.8	6.3	5.1	4.6	1.147	3.0	0.637
C5H9NO	N-Methylpyrrolidone	0.015900	18.0	12.3	7.2	8.7	2.171	7.6	1.627
C7H12O	Cycloheptanone	0.015880	17.2	10.6	4.8	6.4	1.589	5.4	1.157
C18H34O2	Oleic acid	0.015700	16.2	3.1	5.5	2.4	0.609	2.5	0.522
C9H20O	Nonanol	0.014805	15.3	7.3	12.0	6.6	1.643	6.8	1.451
C5H9NO2	N-Formyl morpholine	0.014750	16.6	11.7	10.0	8.0	1.998	7.5	1.596
C5H11Cl	Amylchloride (1-Chloropentane)	0.014244	15.5	5.0	1.3	4.5	1.127	4.9	1.037
C4H9Cl	Isobutylchloride	0.014101	14.7	5.3	0.9	5.2	1.305	6.0	1.270
C8H18	2,2,4-Trimethylpentane	0.013870	14.1	0.0	0.0	8.3	2.087	9.2	1.962
C5H12	Pentane	0.013851	14.5	0.0	0.0	8.1	2.024	8.9	1.883
C12H26	Dodecane	0.013030	16.0	0.0	0.0	7.8	1.958	8.0	1.709
C4H8O2	Butyric Acid	0.012973	14.9	4.1	10.6	5.1	1.280	5.8	1.241
C16H34	Hexadecane	0.012904	16.3	0.0	0.0	7.9	1.979	8.0	1.701
C14H30	Tetradecane	0.012657	16.2	0.0	0.0	7.9	1.970	8.0	1.703
C7H16O	Heptanol	0.012583	15.1	8.0	13.0	7.8	1.947	8.1	1.713
C6H14	Hexane	0.012538	14.9	0.0	0.0	7.9	1.979	8.5	1.817
CH2Cl2	Dichloromethane	0.012500	18.2	6.3	6.1	5.3	1.331	3.7	0.787
C5H11Br	Amylbromide (1-Bromopentane)	0.012353	20.3	4.8	2.8	9.9	2.469	8.4	1.784
C3H6O2	Propionic Acid	0.012344	14.7	5.3	12.4	6.8	1.710	7.4	1.580
C8H18	Octane	0.012318	15.5	0.0	0.0	7.8	1.948	8.2	1.743
C9H20	Nonane	0.012312	15.7	0.0	0.0	7.8	1.948	8.1	1.727
C7H16	Heptane	0.012284	15.3	0.0	0.0	7.8	1.953	8.3	1.764
C10H22	Decane	0.012268	15.7	0.0	0.0	7.8	1.948	8.1	1.727
C5H5N	Pyridine	0.011867	19.0	8.8	5.9	7.7	1.924	6.2	1.311
C13H28	Tridecane	0.011753	16.4	0.0	0.0	8.0	1.988	8.0	1.701

		CO ₂	δ_D (Mpa) ^{1/2}	δ_P (Mpa) ^{1/2}	δ_H (Mpa) ^{1/2}	Ro			
	Data Set (2) Opt best solvents		15.6	5.2	5.8	4.0			
	Data Set (1) Opt all solvents		16.4	5.5	5.8	4.7			
CO ₂ solubility in various solvents @ P _{CO₂} = 1 atm, 25 C									
Formula	Solvent	mole frac CO ₂	δ_D (Mpa) ^{1/2}	δ_P (Mpa) ^{1/2}	δ_H (Mpa) ^{1/2}	Ra (2)	RED (2)	Ra (1)	RED (1)
CHCl ₃	Chloroform (Trichloromethane)	0.011749	17.8	3.1	5.7	4.9	1.219	3.7	0.785
C ₆ H ₁₄ O	Hexanol	0.011735	14.1	8.6	12.7	8.3	2.064	8.9	1.884
C ₁₅ H ₃₂	Pentadecane	0.011666	16.8	0.0	0.0	8.2	2.038	8.0	1.709
C ₇ H ₆ O	Benzaldehyde	0.011556	19.4	7.4	5.3	7.9	1.982	6.3	1.343
C ₄ H ₆ O ₃	Propylene carbonate	0.011484	20.0	18.0	4.1	15.6	3.906	14.5	3.090
C ₁₁ H ₂₄	Undecane	0.011483	16.0	0.0	0.0	7.8	1.958	8.0	1.709
C ₂ H ₄ Cl ₂	Ethylene Chloride (1,2-Dichloroethane)	0.011327	19.0	7.4	4.1	7.3	1.837	5.8	1.232
C ₂ H ₄ O ₂	Acetic Acid	0.011056	14.5	8.0	13.5	8.5	2.121	8.9	1.903
C ₈ H ₁₀	p-Xylene	0.010865	17.4	1.0	3.1	6.2	1.539	5.6	1.195
C ₈ H ₁₀	m-Xylene (dimethylbenzene)	0.010527	17.4	1.0	3.1	6.2	1.539	5.6	1.195
C ₁₀ H ₁₂ O ₂	Eugenol	0.010234	15.1	8.8	9.8	5.5	1.368	5.8	1.234
C ₇ H ₈	Toluene (Methyl benzene)	0.010212	18.0	1.4	2.0	7.2	1.801	6.4	1.370
CCl ₄	Carbon tetrachloride	0.010210	17.8	0.0	0.6	8.6	2.142	8.1	1.717
C ₆ H ₅ NO ₂	Nitrobenzene	0.010087	20.0	8.6	4.1	9.6	2.396	8.0	1.707
C ₉ H ₁₂	Cumene (Methyl ethyl benzene)	0.010077	16.1	7.0	0.0	6.2	1.539	6.0	1.281
C ₈ H ₁₀	Ethylbenzene	0.010060	17.8	0.6	1.4	7.7	1.935	7.2	1.523
C ₈ H ₁₀	o-Xylene	0.009937	17.8	1.0	3.1	6.7	1.664	5.9	1.266
C ₃ H ₆ Br ₂	Propylene bromide (1,2-dibromopropane)	0.009768	17.4	7.5	2.9	5.2	1.291	4.1	0.862
C ₁₀ H ₂₂ O	Decanol (Decyl alcohol)	0.009730	17.5	2.6	10.0	6.2	1.558	5.6	1.183
C ₆ H ₅ Cl	Chlorobenzene	0.009593	19.0	4.3	2.0	7.8	1.960	6.6	1.394
C ₈ H ₇ N	Phenyl acetonitrile	0.009572	19.5	12.3	3.8	10.7	2.684	9.4	2.004
C ₈ H ₁₈ O	Octanol	0.009301	17.0	3.3	11.9	7.0	1.744	6.6	1.403
C ₇ H ₁₄	Methyl cyclo hexane	0.009266	16.0	0.0	1.0	7.1	1.780	7.3	1.562

	CO ₂	δ_D (Mpa) ^{1/2}	δ_F (Mpa) ^{1/2}	δ_H (Mpa) ^{1/2}	Ro				
	Data Set (2) Opt best solvents	15.6	5.2	5.8	4.0				
	Data Set (1) Opt all solvents	16.4	5.5	5.8	4.7				
CO ₂ solubility in various solvents @ P _{CO₂} = 1 atm, 25 C									
Formula	Solvent	mole frac CO ₂	δ_D (Mpa) ^{1/2}	δ_F (Mpa) ^{1/2}	δ_H (Mpa) ^{1/2}	Ra (2)	RED (2)	Ra (1)	RED (1)
C ₆ H ₆	Benzene	0.009210	18.4	0.0	2.0	8.5	2.134	7.8	1.658
C ₂ H ₆ OS	Dimethyl Sulfoxide	0.009200	18.4	16.4	10.2	13.3	3.318	12.4	2.642
C ₇ H ₇ Cl	Benzylchloride (Chlorophenylmethane)	0.009120	18.8	7.1	2.6	7.4	1.851	6.0	1.274
C ₉ H ₇ N	Quinoline	0.009120	19.4	7.0	7.6	8.0	2.004	6.4	1.370
C ₂ H ₄ Br ₂	1,2-Dibromoethane (Ethylene dibromide)	0.008127	17.8	6.4	7.0	4.7	1.179	3.2	0.676
C ₅ H ₁₂ O	Isoamyl Alcohol (3-Methyl-1-butanol)	0.008085	15.8	5.2	13.3	7.5	1.878	7.6	1.617
C ₅ H ₁₂ O	Pentanol (Amyl alcohol)	0.008059	15.9	4.5	13.9	8.2	2.038	8.2	1.749
C ₄ H ₈ O ₂ S	Sulfolane	0.007990	18.4	16.6	7.4	12.8	3.200	11.9	2.533
C ₆ H ₅ Br	Bromobenzene	0.007887	20.5	5.5	4.1	10.0	2.488	8.4	1.782
C ₆ H ₁₂	Cyclohexane	0.007683	16.8	0.0	0.2	8.0	2.002	7.9	1.679
C ₁₀ H ₁₂	Tetrahydronaphthalene	0.007523	19.6	2.0	2.9	9.1	2.273	7.8	1.670
C ₃ H ₆ Cl ₂ O	1,3-dichloro-2-propanol	0.007460	17.5	9.9	14.6	10.7	2.669	10.1	2.145
C ₄ H ₁₀ O	Butanol	0.007262	16.0	5.7	15.8	10.0	2.511	10.0	2.135
C ₄ H ₁₀ O	t-Butanol (2-methyl-2-propanol)	0.007249	15.2	5.1	14.7	8.9	2.234	9.2	1.963
C ₇ H ₁₄	Cycloheptane	0.007210	17.2	0.0	0.0	8.4	2.105	8.2	1.734
C ₄ H ₁₀ O	Isobutanol	0.006933	15.1	5.7	15.9	10.2	2.540	10.4	2.219
C ₈ H ₁₆	Cyclooctane	0.006870	17.5	0.0	0.0	8.7	2.167	8.3	1.764
C ₃ H ₈ O	Propanol	0.006800	16.0	6.8	17.4	11.7	2.934	11.7	2.489
C ₁₁ H ₁₀	1-Methyl naphthalene	0.006740	20.6	0.8	4.7	11.0	2.745	9.7	2.061
C ₂ H ₆ O	Ethanol	0.006699	15.8	8.8	19.4	14.1	3.519	14.0	2.989
C ₄ H ₁₀ O	2-Butanol	0.006599	15.8	5.7	14.5	8.7	2.181	8.8	1.869
C ₃ H ₈ O	Isopropanol	0.006540	15.8	6.1	16.4	10.6	2.661	10.7	2.273
C ₇ H ₉ N	m-Toluidine	0.006345	19.3	3.8	10.1	8.7	2.168	7.4	1.578

	CO2	δ_D (Mpa) ^{1/2}	δ_F (Mpa) ^{1/2}	δ_H (Mpa) ^{1/2}	Ro				
Data Set (2) Opt best solvents		15.6	5.2	5.8	4.0				
Data Set (1) Opt all solvents		16.4	5.5	5.8	4.7				
CO2 solubility in various solvents @ P _{CO2} = 1 atm, 25 C									
Formula	Solvent	mole frac CO2	δ_D (Mpa) ^{1/2}	δ_F (Mpa) ^{1/2}	δ_H (Mpa) ^{1/2}	Ra (2)	RED (2)	Ra (1)	RED (1)
C7H9N	o-Toluidine	0.006048	19.4	4.2	10.7	9.1	2.274	7.9	1.671
CH4O	Methanol	0.006008	15.1	12.3	22.3	18.0	4.498	18.0	3.837
C5H5I	Iodobenzene	0.005919	19.5	6.0	6.1	7.8	1.962	6.2	1.325
C5H10	Cyclopentane	0.004914	16.4	0.0	1.8	6.8	1.688	6.8	1.447
C6H7N	Aniline (Phenylamine)	0.004883	19.4	5.1	10.2	8.8	2.196	7.5	1.585
C6H12O	Cyclohexanol	0.004711	17.4	4.1	13.5	8.6	2.143	8.1	1.719
CS2	Carbon disulfide	0.002716	20.5	0.0	0.6	12.3	3.063	11.2	2.374
C2H6O2	Ethylene Glycol	0.002200	17.0	11.0	26.2	21.4	5.348	21.2	4.503
H2O	Water	0.000625	15.5	16.0	42.3	38.1	9.516	38.0	8.090
C3H8O3	Glycerol (glycerin)	0.000090	17.4	12.1	29.3	24.8	6.189	24.5	5.211

Appendix C : Calculated HSP values for Pure CO₂ from 10 to 905 bar and from 273 to 373 K.

T (K)	P (bar)	d (MPa ^{1/2})	d (MPa ^{1/2})	d (MPa ^{1/2})	d (MPa ^{1/2})	$\delta_{\text{Hildebrand}}$ (MPa ^{1/2})	T (K)	P (bar)	d (MPa ^{1/2})	d (MPa ^{1/2})	d (MPa ^{1/2})	d (MPa ^{1/2})	$\delta_{\text{Hildebrand}}$ (MPa ^{1/2})
273	905	16.55	5.32	6.14	18.43	18.45	273	760	16.18	5.28	6.08	18.07	18.21
273	900	16.55	5.32	6.14	18.43	18.44	273	755	16.16	5.27	6.08	18.06	18.20
273	895	16.53	5.32	6.13	18.42	18.43	273	750	16.14	5.27	6.08	18.04	18.19
273	890	16.51	5.32	6.13	18.40	18.43	273	745	16.13	5.27	6.07	18.02	18.18
273	885	16.51	5.32	6.13	18.40	18.42	273	740	16.11	5.27	6.07	18.00	18.17
273	880	16.49	5.32	6.13	18.38	18.41	273	735	16.11	5.27	6.07	18.00	18.16
273	875	16.48	5.31	6.13	18.36	18.4	273	730	16.09	5.26	6.07	17.99	18.15
273	870	16.46	5.31	6.12	18.35	18.39	273	725	16.07	5.26	6.07	17.97	18.14
273	865	16.46	5.31	6.12	18.35	18.39	273	720	16.06	5.26	6.06	17.95	18.13
273	860	16.44	5.31	6.12	18.33	18.38	273	715	16.04	5.26	6.06	17.93	18.12
273	855	16.42	5.31	6.12	18.31	18.37	273	710	16.02	5.26	6.06	17.92	18.11
273	850	16.41	5.31	6.12	18.30	18.36	273	705	16.02	5.26	6.06	17.92	18.10
273	845	16.41	5.31	6.12	18.30	18.35	273	700	16.00	5.25	6.06	17.90	18.09
273	840	16.39	5.30	6.11	18.28	18.35	273	695	15.99	5.25	6.05	17.88	18.08
273	835	16.37	5.30	6.11	18.26	18.34	273	690	15.97	5.25	6.05	17.87	18.07
273	830	16.35	5.30	6.11	18.24	18.33	273	685	15.95	5.25	6.05	17.85	18.06
273	825	16.35	5.30	6.11	18.24	18.32	273	680	15.94	5.24	6.05	17.83	18.05
273	820	16.34	5.30	6.11	18.23	18.31	273	675	15.92	5.24	6.04	17.81	18.03
273	815	16.32	5.29	6.10	18.21	18.31	273	670	15.92	5.24	6.04	17.81	18.02
273	810	16.30	5.29	6.10	18.19	18.3	273	665	15.90	5.24	6.04	17.80	18.01
273	805	16.30	5.29	6.10	18.19	18.29	273	660	15.88	5.24	6.04	17.78	18.00
273	800	16.28	5.29	6.10	18.18	18.28	273	655	15.87	5.24	6.04	17.76	17.99
273	795	16.27	5.29	6.10	18.16	18.27	273	650	15.85	5.23	6.03	17.75	17.98
273	790	16.25	5.29	6.09	18.14	18.26	273	645	15.83	5.23	6.03	17.73	17.97
273	785	16.25	5.29	6.09	18.14	18.25	273	640	15.81	5.23	6.03	17.71	17.95
273	780	16.23	5.28	6.09	18.12	18.24	273	635	15.80	5.23	6.02	17.70	17.94
273	775	16.21	5.28	6.09	18.11	18.23	273	630	15.78	5.22	6.02	17.68	17.93
273	770	16.20	5.28	6.09	18.09	18.23	273	625	15.78	5.22	6.02	17.68	17.92
273	765	16.18	5.28	6.08	18.07	18.22	273	620	15.76	5.22	6.02	17.66	17.91

T (K)	P (bar)	d (MPa ^{1/2})	d (MPa ^{1/2})	d (MPa ^{1/2})	d (MPa ^{1/2})	$\delta_{\text{Hildebrand}}$ (MPa ^{1/2})	T (K)	P (bar)	d (MPa ^{1/2})	d (MPa ^{1/2})	d (MPa ^{1/2})	d (MPa ^{1/2})	$\delta_{\text{Hildebrand}}$ (MPa ^{1/2})
273	610	15.73	5.22	6.01	17.63	17.88	273	460	15.19	5.14	5.93	17.10	17.44
273	615	15.74	5.22	6.02	17.64	17.90	273	455	15.17	5.14	5.93	17.08	17.43
273	605	15.71	5.21	6.01	17.61	17.87	273	450	15.16	5.14	5.93	17.07	17.41
273	600	15.69	5.21	6.01	17.59	17.86	273	445	15.14	5.14	5.92	17.05	17.39
273	595	15.67	5.21	6.01	17.58	17.84	273	440	15.12	5.14	5.92	17.03	17.37
273	590	15.66	5.21	6.00	17.56	17.83	273	435	15.09	5.13	5.91	17.00	17.36
273	585	15.64	5.21	6.00	17.54	17.82	273	430	15.07	5.13	5.91	16.98	17.34
273	580	15.62	5.20	6.00	17.52	17.81	273	425	15.05	5.13	5.91	16.96	17.32
273	575	15.60	5.20	6.00	17.51	17.79	273	420	15.03	5.12	5.91	16.95	17.30
273	570	15.59	5.20	5.99	17.49	17.78	273	415	15.02	5.12	5.90	16.93	17.28
273	565	15.57	5.20	5.99	17.47	17.77	273	410	15.00	5.12	5.90	16.91	17.26
273	560	15.55	5.19	5.99	17.46	17.75	273	405	14.97	5.11	5.90	16.88	17.24
273	555	15.54	5.19	5.98	17.44	17.74	273	400	14.95	5.11	5.89	16.86	17.22
273	550	15.52	5.19	5.98	17.42	17.72	273	395	14.93	5.11	5.89	16.85	17.20
273	545	15.50	5.19	5.98	17.41	17.71	273	390	14.91	5.11	5.89	16.83	17.18
273	540	15.48	5.18	5.98	17.39	17.70	273	385	14.88	5.10	5.88	16.79	17.16
273	535	15.47	5.18	5.97	17.37	17.68	273	380	14.86	5.10	5.88	16.78	17.14
273	530	15.45	5.18	5.97	17.35	17.67	273	375	14.85	5.10	5.88	16.76	17.12
273	525	15.43	5.18	5.97	17.34	17.65	273	370	14.81	5.09	5.87	16.73	17.10
273	520	15.41	5.18	5.97	17.32	17.64	273	365	14.79	5.09	5.87	16.71	17.08
273	515	15.40	5.17	5.96	17.30	17.62	273	360	14.78	5.09	5.87	16.69	17.06
273	510	15.38	5.17	5.96	17.29	17.61	273	355	14.76	5.09	5.86	16.68	17.03
273	505	15.36	5.17	5.96	17.27	17.59	273	350	14.73	5.08	5.86	16.64	17.01
273	500	15.35	5.17	5.96	17.25	17.58	273	345	14.71	5.08	5.86	16.63	16.99
273	495	15.33	5.16	5.95	17.23	17.56	273	340	14.67	5.07	5.85	16.59	16.96
273	490	15.31	5.16	5.95	17.22	17.54	273	335	14.66	5.07	5.85	16.58	16.94
273	485	15.29	5.16	5.95	17.20	17.53	273	330	14.64	5.07	5.84	16.56	16.92
273	480	15.28	5.16	5.94	17.18	17.51	273	325	14.61	5.06	5.84	16.53	16.89
273	475	15.26	5.15	5.94	17.17	17.49	273	320	14.59	5.06	5.84	16.51	16.87
273	470	15.22	5.15	5.94	17.13	17.48	273	315	14.55	5.06	5.83	16.47	16.84
273	465	15.21	5.15	5.93	17.12	17.46	273	310	14.54	5.06	5.83	16.46	16.82

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
273	305	14.52	5.05	5.83	16.44	16.79	273	155	13.60	4.92	5.68	15.54	15.78
273	300	14.49	5.05	5.82	16.41	16.77	273	150	13.57	4.92	5.67	15.51	15.74
273	295	14.47	5.05	5.82	16.39	16.74	273	145	13.52	4.91	5.66	15.46	15.69
273	290	14.43	5.04	5.81	16.36	16.71	273	140	13.49	4.91	5.66	15.42	15.64
273	285	14.42	5.04	5.81	16.34	16.69	273	135	13.45	4.90	5.65	15.39	15.59
273	280	14.38	5.03	5.80	16.31	16.66	273	130	13.40	4.89	5.64	15.34	15.54
273	275	14.35	5.03	5.80	16.27	16.63	273	125	13.37	4.89	5.64	15.31	15.49
273	270	14.33	5.03	5.79	16.26	16.6	273	120	13.32	4.88	5.63	15.26	15.44
273	265	14.30	5.02	5.79	16.22	16.57	273	115	13.28	4.88	5.62	15.23	15.38
273	260	14.28	5.02	5.79	16.21	16.55	273	110	13.23	4.87	5.61	15.18	15.33
273	255	14.25	5.01	5.78	16.17	16.52	273	105	13.18	4.86	5.60	15.13	15.27
273	250	14.21	5.01	5.78	16.14	16.49	273	100	13.15	4.86	5.60	15.09	15.21
273	245	14.20	5.01	5.77	16.12	16.45	273	95	13.10	4.85	5.59	15.04	15.15
273	240	14.16	5.00	5.77	16.09	16.42	273	90	13.05	4.84	5.58	15.00	15.08
273	235	14.13	5.00	5.76	16.06	16.39	273	85	13.00	4.83	5.57	14.95	15.02
273	230	14.11	5.00	5.76	16.04	16.36	273	80	12.95	4.83	5.56	14.90	14.95
273	225	14.08	4.99	5.75	16.01	16.32	273	75	12.88	4.82	5.55	14.83	14.88
273	220	14.04	4.99	5.75	15.97	16.29	273	70	12.83	4.81	5.54	14.78	14.81
273	215	14.01	4.98	5.74	15.94	16.26	273	65	12.78	4.80	5.54	14.73	14.73
273	210	13.98	4.98	5.74	15.91	16.22	273	60	12.72	4.79	5.52	14.67	14.65
273	205	13.94	4.97	5.73	15.87	16.19	273	55	12.65	4.78	5.51	14.60	14.57
273	200	13.92	4.97	5.73	15.86	16.15	273	50	12.58	4.77	5.50	14.54	14.48
273	195	13.89	4.96	5.72	15.82	16.11	273	45	12.52	4.76	5.49	14.47	14.39
273	190	13.86	4.96	5.72	15.79	16.07	273	40	1.06	1.77	2.05	2.91	2.62
273	185	13.82	4.95	5.71	15.76	16.03	273	35	0.77	1.56	1.80	2.50	2.00
273	180	13.79	4.95	5.71	15.72	16.00	273	30	0.56	1.38	1.59	2.18	1.57
273	175	13.76	4.94	5.70	15.69	15.95	273	25	0.41	1.21	1.40	1.89	1.22
273	170	13.70	4.94	5.69	15.64	15.91	273	20	0.29	1.05	1.21	1.63	0.92
273	165	13.67	4.93	5.69	15.61	15.87	273	15	0.19	0.89	1.03	1.37	0.65
273	160	13.64	4.93	5.68	15.57	15.83	273	10	0.11	0.71	0.82	1.09	0.42

T, K	P, bar	δ_d , MPa ^{1/2}	δ_p , MPa ^{1/2}	δ_h , MPa ^{1/2}	δ_T , MPa ^{1/2}	$\delta_{\text{Hildebrand}}$, MPa ^{1/2}	T, K	P, bar	δ_d , MPa ^{1/2}	δ_p , MPa ^{1/2}	δ_h , MPa ^{1/2}	δ_T , MPa ^{1/2}	$\delta_{\text{Hildebrand}}$, MPa ^{1/2}
283	905	16.16	5.27	6.00	18.03	18.04	283	755	15.74	5.22	5.94	17.62	17.75
283	900	16.16	5.27	6.00	18.03	18.03	283	750	15.73	5.22	5.94	17.60	17.74
283	895	16.14	5.27	6.00	18.01	18.02	283	745	15.71	5.21	5.93	17.58	17.73
283	890	16.13	5.27	6.00	17.99	18.01	283	740	15.71	5.21	5.93	17.58	17.72
283	885	16.11	5.27	5.99	17.98	18.00	283	735	15.69	5.21	5.93	17.57	17.71
283	880	16.11	5.27	5.99	17.98	18.00	283	730	15.67	5.21	5.93	17.55	17.70
283	875	16.09	5.26	5.99	17.96	17.99	283	725	15.66	5.21	5.92	17.53	17.69
283	870	16.07	5.26	5.99	17.94	17.98	283	720	15.64	5.21	5.92	17.51	17.68
283	865	16.06	5.26	5.98	17.93	17.97	283	715	15.62	5.20	5.92	17.50	17.66
283	860	16.04	5.26	5.98	17.91	17.96	283	710	15.60	5.20	5.92	17.48	17.65
283	855	16.04	5.26	5.98	17.91	17.95	283	705	15.59	5.20	5.91	17.46	17.64
283	850	16.02	5.26	5.98	17.89	17.94	283	700	15.57	5.20	5.91	17.45	17.63
283	845	16.00	5.25	5.98	17.87	17.93	283	695	15.55	5.19	5.91	17.43	17.62
283	840	15.99	5.25	5.97	17.86	17.92	283	690	15.55	5.19	5.91	17.43	17.60
283	835	15.97	5.25	5.97	17.84	17.91	283	685	15.54	5.19	5.91	17.41	17.59
283	830	15.97	5.25	5.97	17.84	17.90	283	680	15.52	5.19	5.90	17.40	17.58
283	825	15.95	5.25	5.97	17.82	17.89	283	675	15.50	5.19	5.90	17.38	17.57
283	820	15.94	5.24	5.97	17.81	17.89	283	670	15.48	5.18	5.90	17.36	17.55
283	815	15.92	5.24	5.96	17.79	17.88	283	665	15.47	5.18	5.90	17.34	17.54
283	810	15.90	5.24	5.96	17.77	17.87	283	660	15.45	5.18	5.89	17.33	17.53
283	805	15.90	5.24	5.96	17.77	17.86	283	655	15.43	5.18	5.89	17.31	17.52
283	800	15.88	5.24	5.96	17.75	17.85	283	650	15.41	5.18	5.89	17.29	17.50
283	795	15.87	5.24	5.96	17.74	17.84	283	645	15.40	5.17	5.89	17.28	17.49
283	790	15.85	5.23	5.95	17.72	17.83	283	640	15.38	5.17	5.88	17.26	17.48
283	785	15.83	5.23	5.95	17.70	17.82	283	635	15.36	5.17	5.88	17.24	17.46
283	780	15.81	5.23	5.95	17.69	17.81	283	630	15.35	5.17	5.88	17.23	17.45
283	775	15.81	5.23	5.95	17.69	17.79	283	625	15.33	5.16	5.87	17.21	17.44
283	770	15.80	5.23	5.95	17.67	17.79	283	620	15.31	5.16	5.87	17.19	17.42
283	765	15.78	5.22	5.94	17.65	17.77	283	615	15.29	5.16	5.87	17.17	17.41
283	760	15.76	5.22	5.94	17.63	17.76	283	610	15.28	5.16	5.87	17.16	17.39

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
283	605	15.26	5.15	5.86	17.14	17.38	283	455	14.67	5.07	5.77	16.57	16.87
283	600	15.24	5.15	5.86	17.12	17.36	283	450	14.66	5.07	5.77	16.55	16.85
283	595	15.22	5.15	5.86	17.11	17.35	283	445	14.64	5.07	5.77	16.53	16.83
283	590	15.21	5.15	5.86	17.09	17.34	283	440	14.61	5.06	5.76	16.50	16.81
283	585	15.19	5.14	5.85	17.07	17.32	283	435	14.59	5.06	5.76	16.48	16.79
283	580	15.17	5.14	5.85	17.06	17.31	283	430	14.57	5.06	5.76	16.46	16.77
283	575	15.16	5.14	5.85	17.04	17.29	283	425	14.55	5.06	5.75	16.45	16.75
283	570	15.14	5.14	5.85	17.02	17.28	283	420	14.52	5.05	5.75	16.41	16.72
283	565	15.12	5.14	5.84	17.00	17.26	283	415	14.50	5.05	5.75	16.40	16.70
283	560	15.10	5.13	5.84	16.99	17.24	283	410	14.47	5.05	5.74	16.36	16.68
283	555	15.09	5.13	5.84	16.97	17.23	283	405	14.45	5.04	5.74	16.35	16.66
283	550	15.05	5.13	5.83	16.94	17.21	283	400	14.43	5.04	5.74	16.33	16.64
283	545	15.03	5.12	5.83	16.92	17.20	283	395	14.40	5.04	5.73	16.30	16.61
283	540	15.02	5.12	5.83	16.90	17.18	283	390	14.38	5.03	5.73	16.28	16.59
283	535	15.00	5.12	5.82	16.89	17.16	283	385	14.37	5.03	5.72	16.26	16.56
283	530	14.98	5.12	5.82	16.87	17.15	283	380	14.33	5.03	5.72	16.23	16.54
283	525	14.97	5.11	5.82	16.85	17.13	283	375	14.32	5.02	5.72	16.21	16.52
283	520	14.95	5.11	5.82	16.84	17.11	283	370	14.28	5.02	5.71	16.18	16.49
283	515	14.93	5.11	5.81	16.82	17.09	283	365	14.26	5.02	5.71	16.16	16.47
283	510	14.90	5.11	5.81	16.78	17.08	283	360	14.23	5.01	5.70	16.13	16.44
283	505	14.88	5.10	5.81	16.77	17.06	283	355	14.21	5.01	5.70	16.11	16.41
283	500	14.86	5.10	5.80	16.75	17.04	283	350	14.18	5.01	5.69	16.08	16.39
283	495	14.85	5.10	5.80	16.73	17.02	283	345	14.16	5.00	5.69	16.06	16.36
283	490	14.83	5.10	5.80	16.72	17.01	283	340	14.13	5.00	5.69	16.03	16.34
283	485	14.81	5.09	5.79	16.70	16.99	283	335	14.11	5.00	5.68	16.01	16.31
283	480	14.78	5.09	5.79	16.67	16.97	283	330	14.08	4.99	5.68	15.98	16.28
283	475	14.76	5.09	5.79	16.65	16.95	283	325	14.04	4.99	5.67	15.95	16.25
283	470	14.74	5.08	5.78	16.63	16.93	283	320	14.03	4.98	5.67	15.93	16.22
283	465	14.73	5.08	5.78	16.62	16.91	283	315	13.99	4.98	5.66	15.90	16.19
283	460	14.69	5.08	5.78	16.58	16.89	283	310	13.96	4.97	5.66	15.86	16.16

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
283	305	13.94	4.97	5.66	15.85	16.13	283	155	12.87	4.81	5.48	14.79	14.89
283	300	13.91	4.97	5.65	15.81	16.10	283	150	12.82	4.81	5.47	14.74	14.83
283	295	13.87	4.96	5.64	15.78	16.07	283	145	12.77	4.80	5.46	14.69	14.77
283	290	13.86	4.96	5.64	15.76	16.04	283	140	12.72	4.79	5.45	14.64	14.71
283	285	13.82	4.95	5.64	15.73	16.01	283	135	12.67	4.78	5.44	14.59	14.65
283	280	13.79	4.95	5.63	15.70	15.97	283	130	12.62	4.78	5.43	14.54	14.58
283	275	13.76	4.94	5.63	15.66	15.94	283	125	12.55	4.77	5.42	14.48	14.51
283	270	13.72	4.94	5.62	15.63	15.91	283	120	12.50	4.76	5.41	14.43	14.44
283	265	13.69	4.94	5.61	15.60	15.87	283	115	12.45	4.75	5.41	14.38	14.37
283	260	13.67	4.93	5.61	15.58	15.84	283	110	12.38	4.74	5.39	14.32	14.29
283	255	13.64	4.93	5.61	15.55	15.80	283	105	12.32	4.73	5.38	14.25	14.21
283	250	13.60	4.92	5.60	15.51	15.76	283	100	12.25	4.72	5.37	14.19	14.13
283	245	13.57	4.92	5.60	15.48	15.73	283	95	12.18	4.71	5.36	14.12	14.04
283	240	13.54	4.91	5.59	15.45	15.69	283	90	12.12	4.70	5.35	14.06	13.95
283	235	13.50	4.91	5.58	15.41	15.65	283	85	12.05	4.69	5.34	13.99	13.85
283	230	13.47	4.90	5.58	15.38	15.61	283	80	11.97	4.68	5.32	13.91	13.75
283	225	13.43	4.90	5.57	15.35	15.57	283	75	11.91	4.67	5.31	13.85	13.65
283	220	13.38	4.89	5.56	15.30	15.53	283	70	11.81	4.65	5.29	13.75	13.53
283	215	13.35	4.89	5.56	15.26	15.49	283	65	11.72	4.64	5.28	13.67	13.41
283	210	13.32	4.88	5.55	15.23	15.44	283	60	11.63	4.62	5.26	13.57	13.28
283	205	13.28	4.88	5.55	15.20	15.40	283	55	11.53	4.61	5.24	13.48	13.15
283	200	13.23	4.87	5.54	15.15	15.35	283	50	1.68	2.13	2.43	3.64	3.56
283	195	13.20	4.86	5.53	15.12	15.31	283	45	1.14	1.83	2.08	3.00	2.67
283	190	13.17	4.86	5.53	15.08	15.26	283	40	0.86	1.63	1.86	2.62	2.14
283	185	13.12	4.85	5.52	15.03	15.21	283	35	0.66	1.47	1.67	2.32	1.74
283	180	13.08	4.85	5.51	15.00	15.16	283	30	0.50	1.32	1.50	2.06	1.40
283	175	13.03	4.84	5.51	14.95	15.11	283	25	0.38	1.17	1.33	1.81	1.11
283	170	13.00	4.83	5.50	14.92	15.06	283	20	0.27	1.03	1.17	1.58	0.84
283	165	12.95	4.83	5.49	14.87	15.00	283	15	0.18	0.86	0.98	1.32	0.61
283	160	12.90	4.82	5.48	14.82	14.95	283	10	0.10	0.69	0.79	1.06	0.39

T, K	P, bar	δ_b , MPa ^{1/2}	δ_p , MPa ^{1/2}	δ_h , MPa ^{1/2}	δ_T , MPa ^{1/2}	$\delta_{\text{Hildebrand}}$, MPa ^{1/2}	T, K	P, bar	δ_b , MPa ^{1/2}	δ_p , MPa ^{1/2}	δ_h , MPa ^{1/2}	δ_T , MPa ^{1/2}	$\delta_{\text{Hildebrand}}$, MPa ^{1/2}
293	905	15.78	5.22	5.87	17.63	17.63	293	755	15.35	5.17	5.80	17.20	17.31
293	900	15.78	5.22	5.87	17.63	17.62	293	750	15.33	5.16	5.80	17.18	17.30
293	895	15.76	5.22	5.86	17.61	17.62	293	745	15.31	5.16	5.79	17.17	17.29
293	890	15.74	5.22	5.86	17.59	17.61	293	740	15.29	5.16	5.79	17.15	17.28
293	885	15.73	5.22	5.86	17.57	17.60	293	735	15.28	5.16	5.79	17.13	17.26
293	880	15.71	5.21	5.85	17.56	17.59	293	730	15.26	5.15	5.79	17.11	17.25
293	875	15.71	5.21	5.85	17.56	17.58	293	725	15.24	5.15	5.78	17.10	17.24
293	870	15.69	5.21	5.85	17.54	17.57	293	720	15.22	5.15	5.78	17.08	17.23
293	865	15.67	5.21	5.85	17.52	17.56	293	715	15.21	5.15	5.78	17.06	17.21
293	860	15.66	5.21	5.85	17.51	17.55	293	710	15.19	5.14	5.78	17.05	17.20
293	855	15.64	5.21	5.84	17.49	17.54	293	705	15.17	5.14	5.77	17.03	17.19
293	850	15.62	5.20	5.84	17.47	17.53	293	700	15.16	5.14	5.77	17.01	17.17
293	845	15.62	5.20	5.84	17.47	17.52	293	695	15.14	5.14	5.77	17.00	17.16
293	840	15.60	5.20	5.84	17.45	17.51	293	690	15.12	5.14	5.77	16.98	17.15
293	835	15.59	5.20	5.84	17.44	17.49	293	685	15.10	5.13	5.76	16.96	17.13
293	830	15.57	5.20	5.83	17.42	17.48	293	680	15.09	5.13	5.76	16.94	17.12
293	825	15.55	5.19	5.83	17.40	17.47	293	675	15.07	5.13	5.76	16.93	17.10
293	820	15.54	5.19	5.83	17.39	17.46	293	670	15.05	5.13	5.76	16.91	17.09
293	815	15.52	5.19	5.83	17.37	17.45	293	665	15.03	5.12	5.75	16.89	17.08
293	810	15.52	5.19	5.83	17.37	17.44	293	660	15.02	5.12	5.75	16.88	17.06
293	805	15.50	5.19	5.82	17.35	17.43	293	655	15.00	5.12	5.75	16.86	17.05
293	800	15.48	5.18	5.82	17.34	17.42	293	650	14.98	5.12	5.74	16.84	17.03
293	795	15.47	5.18	5.82	17.32	17.41	293	645	14.97	5.11	5.74	16.83	17.02
293	790	15.45	5.18	5.82	17.30	17.40	293	640	14.95	5.11	5.74	16.81	17.00
293	785	15.43	5.18	5.81	17.28	17.38	293	635	14.93	5.11	5.74	16.79	16.99
293	780	15.41	5.18	5.81	17.27	17.37	293	630	14.91	5.11	5.73	16.78	16.97
293	775	15.40	5.17	5.81	17.25	17.36	293	625	14.90	5.11	5.73	16.76	16.96
293	770	15.38	5.17	5.81	17.23	17.35	293	620	14.88	5.10	5.73	16.74	16.94
293	765	15.36	5.17	5.80	17.22	17.34	293	615	14.85	5.10	5.72	16.71	16.92
293	760	15.36	5.17	5.80	17.22	17.33	293	610	14.83	5.10	5.72	16.69	16.91

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
293	605	14.81	5.09	5.72	16.67	16.89	293	455	14.18	5.01	5.62	16.05	16.31
293	600	14.79	5.09	5.72	16.66	16.88	293	450	14.16	5.00	5.62	16.04	16.29
293	595	14.78	5.09	5.71	16.64	16.86	293	445	14.13	5.00	5.61	16.00	16.27
293	590	14.76	5.09	5.71	16.62	16.84	293	440	14.11	5.00	5.61	15.99	16.24
293	585	14.74	5.08	5.71	16.61	16.83	293	435	14.08	4.99	5.60	15.95	16.22
293	580	14.73	5.08	5.71	16.59	16.81	293	430	14.06	4.99	5.60	15.94	16.20
293	575	14.69	5.08	5.70	16.56	16.79	293	425	14.03	4.98	5.60	15.90	16.17
293	570	14.67	5.07	5.70	16.54	16.77	293	420	14.01	4.98	5.59	15.89	16.15
293	565	14.66	5.07	5.69	16.52	16.76	293	415	13.98	4.98	5.59	15.85	16.12
293	560	14.64	5.07	5.69	16.51	16.74	293	410	13.96	4.97	5.58	15.84	16.09
293	555	14.62	5.07	5.69	16.49	16.72	293	405	13.92	4.97	5.58	15.80	16.07
293	550	14.61	5.06	5.69	16.47	16.70	293	400	13.91	4.97	5.58	15.79	16.04
293	545	14.57	5.06	5.68	16.44	16.68	293	395	13.87	4.96	5.57	15.75	16.02
293	540	14.55	5.06	5.68	16.42	16.67	293	390	13.86	4.96	5.57	15.74	15.99
293	535	14.54	5.06	5.68	16.40	16.65	293	385	13.82	4.95	5.56	15.70	15.96
293	530	14.52	5.05	5.67	16.39	16.63	293	380	13.79	4.95	5.56	15.67	15.93
293	525	14.49	5.05	5.67	16.35	16.61	293	375	13.77	4.95	5.55	15.65	15.91
293	520	14.47	5.05	5.67	16.34	16.59	293	370	13.74	4.94	5.55	15.62	15.88
293	515	14.45	5.04	5.66	16.32	16.57	293	365	13.72	4.94	5.55	15.60	15.85
293	510	14.43	5.04	5.66	16.30	16.55	293	360	13.69	4.94	5.54	15.57	15.82
293	505	14.40	5.04	5.65	16.27	16.53	293	355	13.65	4.93	5.54	15.54	15.79
293	500	14.38	5.03	5.65	16.25	16.51	293	350	13.62	4.93	5.53	15.50	15.76
293	495	14.37	5.03	5.65	16.24	16.49	293	345	13.60	4.92	5.53	15.49	15.73
293	490	14.35	5.03	5.65	16.22	16.47	293	340	13.57	4.92	5.52	15.45	15.69
293	485	14.32	5.02	5.64	16.19	16.45	293	335	13.54	4.91	5.52	15.42	15.66
293	480	14.30	5.02	5.64	16.17	16.42	293	330	13.50	4.91	5.51	15.39	15.63
293	475	14.28	5.02	5.64	16.15	16.40	293	325	13.47	4.90	5.51	15.35	15.60
293	470	14.25	5.01	5.63	16.12	16.38	293	320	13.45	4.90	5.50	15.34	15.56
293	465	14.23	5.01	5.63	16.10	16.36	293	315	13.42	4.90	5.50	15.30	15.53
293	460	14.20	5.01	5.62	16.07	16.34	293	310	13.38	4.89	5.49	15.27	15.49

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
293	305	13.35	4.89	5.49	15.24	15.46	293	155	12.05	4.69	5.27	13.96	13.93
293	300	13.32	4.88	5.48	15.21	15.42	293	150	11.99	4.68	5.25	13.90	13.85
293	295	13.28	4.88	5.47	15.17	15.39	293	145	11.92	4.67	5.24	13.84	13.77
293	290	13.25	4.87	5.47	15.14	15.35	293	140	11.86	4.66	5.23	13.77	13.69
293	285	13.22	4.87	5.46	15.11	15.31	293	135	11.79	4.65	5.22	13.71	13.60
293	280	13.18	4.86	5.46	15.07	15.27	293	130	11.72	4.64	5.21	13.64	13.51
293	275	13.15	4.86	5.45	15.04	15.23	293	125	11.64	4.63	5.19	13.56	13.41
293	270	13.10	4.85	5.44	14.99	15.19	293	120	11.56	4.61	5.18	13.48	13.31
293	265	13.07	4.84	5.44	14.96	15.15	293	115	11.48	4.60	5.16	13.40	13.21
293	260	13.03	4.84	5.43	14.93	15.11	293	110	11.40	4.59	5.15	13.32	13.10
293	255	13.00	4.83	5.43	14.89	15.06	293	105	11.32	4.57	5.13	13.24	12.98
293	250	12.95	4.83	5.42	14.84	15.02	293	100	11.22	4.56	5.12	13.15	12.86
293	245	12.92	4.82	5.41	14.81	14.97	293	95	11.12	4.54	5.10	13.05	12.73
293	240	12.88	4.82	5.41	14.78	14.93	293	90	11.01	4.52	5.08	12.94	12.58
293	235	12.83	4.81	5.40	14.73	14.88	293	85	10.90	4.50	5.06	12.83	12.43
293	230	12.80	4.80	5.39	14.70	14.83	293	80	10.77	4.48	5.03	12.70	12.26
293	225	12.75	4.80	5.39	14.65	14.78	293	75	10.62	4.46	5.01	12.56	12.07
293	220	12.72	4.79	5.38	14.61	14.73	293	70	10.48	4.43	4.98	12.42	11.86
293	215	12.67	4.78	5.37	14.57	14.68	293	65	10.29	4.40	4.94	12.23	11.62
293	210	12.62	4.78	5.36	14.52	14.63	293	60	2.61	2.54	2.86	4.63	4.67
293	205	12.57	4.77	5.35	14.47	14.57	293	50	1.19	1.86	2.09	3.04	2.68
293	200	12.53	4.76	5.35	14.43	14.52	293	45	0.94	1.69	1.90	2.71	2.24
293	195	12.48	4.76	5.34	14.39	14.46	293	40	0.75	1.54	1.73	2.44	1.87
293	190	12.43	4.75	5.33	14.34	14.40	293	35	0.59	1.40	1.58	2.19	1.55
293	185	12.38	4.74	5.32	14.29	14.34	293	30	0.46	1.27	1.42	1.96	1.27
293	180	12.33	4.73	5.31	14.24	14.27	293	25	0.35	1.14	1.28	1.75	1.02
293	175	12.27	4.72	5.30	14.17	14.21	293	20	0.26	1.00	1.13	1.53	0.78
293	170	12.22	4.72	5.29	14.13	14.14	293	15	0.17	0.85	0.95	1.29	0.57
293	165	12.17	4.71	5.29	14.08	14.07	293	10	0.10	0.68	0.76	1.02	0.37
293	160	12.10	4.70	5.27	14.01	14.00	298	905	15.60	5.20	5.80	17.44	17.44

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
298	900	15.59	5.20	5.80	17.42	17.42	298	745	15.10	5.13	5.73	16.95	17.07
298	895	15.57	5.20	5.80	17.41	17.41	298	740	15.09	5.13	5.72	16.93	17.06
298	890	15.55	5.19	5.79	17.39	17.41	298	735	15.07	5.13	5.72	16.91	17.04
298	885	15.54	5.19	5.79	17.37	17.39	298	730	15.05	5.13	5.72	16.90	17.03
298	880	15.52	5.19	5.79	17.36	17.38	298	725	15.03	5.12	5.72	16.88	17.02
298	875	15.52	5.19	5.79	17.36	17.37	298	720	15.02	5.12	5.71	16.86	17.00
298	870	15.50	5.19	5.79	17.34	17.36	298	715	15.00	5.12	5.71	16.85	16.99
298	865	15.48	5.18	5.78	17.32	17.35	298	710	14.98	5.12	5.71	16.83	16.97
298	860	15.47	5.18	5.78	17.31	17.34	298	705	14.97	5.11	5.70	16.81	16.96
298	855	15.45	5.18	5.78	17.29	17.33	298	700	14.95	5.11	5.70	16.80	16.95
298	850	15.43	5.18	5.77	17.27	17.32	298	695	14.93	5.11	5.70	16.78	16.93
298	845	15.41	5.18	5.77	17.25	17.31	298	690	14.91	5.11	5.70	16.76	16.92
298	840	15.40	5.17	5.77	17.24	17.30	298	685	14.90	5.11	5.69	16.75	16.90
298	835	15.40	5.17	5.77	17.24	17.29	298	680	14.88	5.10	5.69	16.73	16.89
298	830	15.38	5.17	5.77	17.22	17.28	298	675	14.86	5.10	5.69	16.71	16.87
298	825	15.36	5.17	5.76	17.20	17.26	298	670	14.85	5.10	5.69	16.69	16.86
298	820	15.35	5.17	5.76	17.19	17.25	298	665	14.83	5.10	5.68	16.68	16.84
298	815	15.33	5.16	5.76	17.17	17.24	298	660	14.81	5.09	5.68	16.66	16.83
298	810	15.31	5.16	5.76	17.15	17.23	298	655	14.78	5.09	5.68	16.63	16.81
298	805	15.29	5.16	5.75	17.14	17.22	298	650	14.76	5.09	5.67	16.61	16.80
298	800	15.28	5.16	5.75	17.12	17.21	298	645	14.74	5.08	5.67	16.59	16.78
298	795	15.26	5.15	5.75	17.10	17.19	298	640	14.73	5.08	5.67	16.58	16.76
298	790	15.24	5.15	5.75	17.08	17.18	298	635	14.71	5.08	5.67	16.56	16.75
298	785	15.24	5.15	5.75	17.08	17.17	298	630	14.69	5.08	5.66	16.54	16.73
298	780	15.22	5.15	5.74	17.07	17.16	298	625	14.67	5.07	5.66	16.53	16.72
298	775	15.21	5.15	5.74	17.05	17.15	298	620	14.66	5.07	5.66	16.51	16.70
298	770	15.19	5.14	5.74	17.03	17.13	298	615	14.64	5.07	5.65	16.49	16.68
298	765	15.17	5.14	5.74	17.02	17.12	298	610	14.61	5.06	5.65	16.46	16.67
298	760	15.16	5.14	5.73	17.00	17.11	298	605	14.59	5.06	5.65	16.44	16.65
298	755	15.14	5.14	5.73	16.98	17.10	298	600	14.57	5.06	5.64	16.43	16.63
298	750	15.12	5.14	5.73	16.97	17.08	298	595	14.55	5.06	5.64	16.41	16.61

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
298	590	14.54	5.06	5.64	16.39	16.6	298	435	13.82	4.95	5.53	15.69	15.93
298	585	14.52	5.05	5.64	16.37	16.58	298	430	13.81	4.95	5.52	15.67	15.91
298	580	14.49	5.05	5.63	16.34	16.56	298	425	13.77	4.95	5.52	15.64	15.88
298	575	14.47	5.05	5.63	16.32	16.54	298	420	13.76	4.94	5.52	15.62	15.86
298	570	14.45	5.04	5.63	16.31	16.52	298	415	13.72	4.94	5.51	15.59	15.83
298	565	14.43	5.04	5.62	16.29	16.51	298	410	13.69	4.94	5.50	15.56	15.80
298	560	14.42	5.04	5.62	16.27	16.49	298	405	13.67	4.93	5.50	15.54	15.77
298	555	14.38	5.03	5.61	16.24	16.47	298	400	13.64	4.93	5.50	15.51	15.75
298	550	14.37	5.03	5.61	16.22	16.45	298	395	13.60	4.92	5.49	15.47	15.72
298	545	14.35	5.03	5.61	16.21	16.43	298	390	13.59	4.92	5.49	15.46	15.69
298	540	14.33	5.03	5.61	16.19	16.41	298	385	13.55	4.92	5.48	15.42	15.66
298	535	14.30	5.02	5.60	16.16	16.39	298	380	13.52	4.91	5.48	15.39	15.63
298	530	14.28	5.02	5.60	16.14	16.37	298	375	13.50	4.91	5.47	15.37	15.60
298	525	14.26	5.02	5.60	16.12	16.35	298	370	13.47	4.90	5.47	15.34	15.57
298	520	14.23	5.01	5.59	16.09	16.33	298	365	13.43	4.90	5.46	15.31	15.54
298	515	14.21	5.01	5.59	16.07	16.31	298	360	13.40	4.89	5.46	15.28	15.50
298	510	14.20	5.01	5.59	16.06	16.29	298	355	13.37	4.89	5.45	15.24	15.47
298	505	14.16	5.00	5.58	16.02	16.26	298	350	13.35	4.89	5.45	15.23	15.44
298	500	14.15	5.00	5.58	16.01	16.24	298	345	13.32	4.88	5.44	15.19	15.40
298	495	14.13	5.00	5.57	15.99	16.22	298	340	13.28	4.88	5.44	15.16	15.37
298	490	14.09	4.99	5.57	15.96	16.20	298	335	13.25	4.87	5.43	15.13	15.34
298	485	14.08	4.99	5.57	15.94	16.18	298	330	13.22	4.87	5.43	15.09	15.30
298	480	14.04	4.99	5.56	15.91	16.15	298	325	13.18	4.86	5.42	15.06	15.27
298	475	14.03	4.98	5.56	15.89	16.13	298	320	13.15	4.86	5.42	15.03	15.23
298	470	14.01	4.98	5.56	15.87	16.11	298	315	13.12	4.85	5.41	14.99	15.19
298	465	13.98	4.98	5.55	15.84	16.08	298	310	13.08	4.85	5.41	14.96	15.15
298	460	13.96	4.97	5.55	15.82	16.06	298	305	13.05	4.84	5.40	14.93	15.12
298	455	13.92	4.97	5.54	15.79	16.03	298	300	13.02	4.84	5.39	14.90	15.08
298	450	13.91	4.97	5.54	15.77	16.01	298	295	12.98	4.83	5.39	14.86	15.04
298	445	13.87	4.96	5.53	15.74	15.99	298	290	12.93	4.82	5.38	14.81	14.99
298	440	13.86	4.96	5.53	15.72	15.96	298	285	12.90	4.82	5.38	14.78	14.95

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
298	280	12.87	4.81	5.37	14.75	14.91	298	125	11.14	4.54	5.07	13.05	12.81
298	275	12.83	4.81	5.36	14.72	14.87	298	120	11.04	4.53	5.05	12.96	12.69
298	270	12.78	4.80	5.36	14.67	14.82	298	115	10.94	4.51	5.03	12.86	12.56
298	265	12.75	4.80	5.35	14.63	14.78	298	110	10.83	4.49	5.01	12.75	12.42
298	260	12.70	4.79	5.34	14.59	14.73	298	105	10.72	4.48	4.99	12.64	12.27
298	255	12.67	4.78	5.34	14.55	14.68	298	100	10.61	4.46	4.97	12.53	12.12
298	250	12.62	4.78	5.33	14.50	14.64	298	95	10.46	4.43	4.94	12.39	11.94
298	245	12.58	4.77	5.32	14.47	14.59	298	90	10.32	4.41	4.92	12.25	11.75
298	240	12.53	4.76	5.31	14.42	14.54	298	85	10.16	4.38	4.89	12.09	11.54
298	235	12.50	4.76	5.31	14.39	14.48	298	80	9.97	4.35	4.85	11.91	11.29
298	230	12.45	4.75	5.30	14.34	14.43	298	75	9.75	4.31	4.81	11.69	11.00
298	225	12.40	4.74	5.29	14.29	14.37	298	70	9.48	4.26	4.75	11.43	10.65
298	220	12.35	4.74	5.28	14.24	14.32	298	65	2.79	2.61	2.91	4.81	4.80
298	215	12.30	4.73	5.27	14.19	14.26	298	60	1.77	2.18	2.43	3.71	3.54
298	210	12.25	4.72	5.27	14.15	14.20	298	55	1.37	1.97	2.19	3.25	2.93
298	205	12.20	4.71	5.26	14.10	14.14	298	50	1.09	1.79	2.00	2.90	2.47
298	200	12.15	4.71	5.25	14.05	14.08	298	45	0.88	1.65	1.84	2.62	2.09
298	195	12.10	4.70	5.24	14.00	14.01	298	40	0.71	1.51	1.69	2.37	1.77
298	190	12.04	4.69	5.23	13.94	13.95	298	35	0.56	1.38	1.54	2.14	1.48
298	185	11.99	4.68	5.22	13.89	13.88	298	30	0.44	1.25	1.39	1.92	1.22
298	180	11.92	4.67	5.21	13.82	13.81	298	25	0.33	1.12	1.25	1.71	0.98
298	175	11.87	4.66	5.20	13.77	13.73	298	20	0.24	0.98	1.09	1.49	0.76
298	170	11.81	4.65	5.19	13.71	13.66	298	15	0.16	0.83	0.93	1.26	0.55
298	165	11.74	4.64	5.18	13.65	13.58	298	10	0.10	0.68	0.75	1.02	0.36
298	160	11.68	4.63	5.17	13.58	13.50	298	5	0.04	0.47	0.52	0.70	0.17
298	155	11.61	4.62	5.15	13.52	13.41	303	905	15.41	5.18	5.73	17.24	17.19
298	150	11.54	4.61	5.14	13.45	13.32	303	900	15.40	5.17	5.73	17.22	17.18
298	145	11.46	4.60	5.13	13.37	13.23	303	895	15.38	5.17	5.73	17.21	17.17
298	140	11.38	4.58	5.11	13.29	13.13	303	890	15.36	5.17	5.73	17.19	17.16
298	135	11.30	4.57	5.10	13.21	13.03	303	885	15.35	5.17	5.72	17.17	17.15
298	130	11.22	4.56	5.08	13.13	12.92	303	880	15.33	5.16	5.72	17.16	17.14

T, K	P, bar	δ_b , MPa ^{1/2}	δ_p , MPa ^{1/2}	δ_h , MPa ^{1/2}	δ_T , MPa ^{1/2}	$\delta_{\text{Hildebrand}}$, MPa ^{1/2}	T, K	P, bar	δ_b , MPa ^{1/2}	δ_p , MPa ^{1/2}	δ_h , MPa ^{1/2}	δ_T , MPa ^{1/2}	$\delta_{\text{Hildebrand}}$, MPa ^{1/2}
303	875	15.33	5.16	5.72	17.16	17.12	303	725	14.83	5.10	5.65	16.67	16.75
303	870	15.31	5.16	5.72	17.14	17.11	303	720	14.81	5.09	5.64	16.65	16.73
303	865	15.29	5.16	5.72	17.12	17.10	303	715	14.79	5.09	5.64	16.63	16.72
303	860	15.28	5.16	5.71	17.11	17.09	303	710	14.78	5.09	5.64	16.61	16.71
303	855	15.26	5.15	5.71	17.09	17.08	303	705	14.76	5.09	5.64	16.60	16.69
303	850	15.24	5.15	5.71	17.07	17.07	303	700	14.74	5.08	5.63	16.58	16.68
303	845	15.22	5.15	5.71	17.05	17.06	303	695	14.73	5.08	5.63	16.56	16.66
303	840	15.21	5.15	5.70	17.04	17.05	303	690	14.71	5.08	5.63	16.55	16.64
303	835	15.19	5.14	5.70	17.02	17.03	303	685	14.69	5.08	5.63	16.53	16.63
303	830	15.17	5.14	5.70	17.00	17.02	303	680	14.67	5.07	5.62	16.51	16.61
303	825	15.17	5.14	5.70	17.00	17.01	303	675	14.64	5.07	5.62	16.48	16.60
303	820	15.16	5.14	5.70	16.99	17.00	303	670	14.62	5.07	5.61	16.46	16.58
303	815	15.14	5.14	5.69	16.97	16.99	303	665	14.61	5.06	5.61	16.45	16.57
303	810	15.12	5.14	5.69	16.95	16.97	303	660	14.59	5.06	5.61	16.43	16.55
303	805	15.10	5.13	5.69	16.94	16.96	303	655	14.57	5.06	5.61	16.41	16.53
303	800	15.09	5.13	5.69	16.92	16.95	303	650	14.55	5.06	5.60	16.40	16.52
303	795	15.07	5.13	5.68	16.90	16.94	303	645	14.54	5.06	5.60	16.38	16.50
303	790	15.05	5.13	5.68	16.89	16.92	303	640	14.52	5.05	5.60	16.36	16.48
303	785	15.03	5.12	5.68	16.87	16.91	303	635	14.49	5.05	5.59	16.33	16.47
303	780	15.02	5.12	5.67	16.85	16.90	303	630	14.47	5.05	5.59	16.31	16.45
303	775	15.00	5.12	5.67	16.83	16.88	303	625	14.45	5.04	5.59	16.30	16.43
303	770	14.98	5.12	5.67	16.82	16.87	303	620	14.43	5.04	5.59	16.28	16.42
303	765	14.97	5.11	5.67	16.80	16.86	303	615	14.42	5.04	5.58	16.26	16.40
303	760	14.95	5.11	5.66	16.78	16.85	303	610	14.40	5.04	5.58	16.24	16.38
303	755	14.93	5.11	5.66	16.77	16.83	303	605	14.37	5.03	5.58	16.21	16.36
303	750	14.91	5.11	5.66	16.75	16.82	303	600	14.35	5.03	5.57	16.19	16.34
303	745	14.90	5.11	5.66	16.73	16.81	303	595	14.33	5.03	5.57	16.18	16.32
303	740	14.88	5.10	5.65	16.72	16.79	303	590	14.32	5.02	5.57	16.16	16.31
303	735	14.86	5.10	5.65	16.70	16.78	303	585	14.28	5.02	5.56	16.13	16.29
303	730	14.85	5.10	5.65	16.68	16.76	303	580	14.26	5.02	5.56	16.11	16.27

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
303	575	14.25	5.01	5.56	16.09	16.25	303	425	13.52	4.91	5.44	15.38	15.55
303	570	14.23	5.01	5.55	16.08	16.23	303	420	13.49	4.91	5.44	15.35	15.52
303	565	14.20	5.01	5.55	16.04	16.21	303	415	13.45	4.90	5.43	15.31	15.49
303	560	14.18	5.01	5.55	16.03	16.19	303	410	13.43	4.90	5.43	15.30	15.46
303	555	14.16	5.00	5.54	16.01	16.17	303	405	13.40	4.89	5.42	15.26	15.43
303	550	14.15	5.00	5.54	15.99	16.15	303	400	13.37	4.89	5.42	15.23	15.41
303	545	14.11	5.00	5.54	15.96	16.13	303	395	13.35	4.89	5.41	15.21	15.37
303	540	14.09	4.99	5.53	15.94	16.11	303	390	13.32	4.88	5.41	15.18	15.34
303	535	14.08	4.99	5.53	15.93	16.09	303	385	13.28	4.88	5.40	15.15	15.31
303	530	14.04	4.99	5.52	15.89	16.07	303	380	13.25	4.87	5.40	15.11	15.28
303	525	14.03	4.98	5.52	15.88	16.05	303	375	13.22	4.87	5.39	15.08	15.25
303	520	13.99	4.98	5.52	15.84	16.02	303	370	13.18	4.86	5.39	15.05	15.21
303	515	13.98	4.98	5.51	15.83	16.00	303	365	13.17	4.86	5.38	15.03	15.18
303	510	13.96	4.97	5.51	15.81	15.98	303	360	13.13	4.85	5.38	15.00	15.15
303	505	13.92	4.97	5.51	15.78	15.96	303	355	13.10	4.85	5.37	14.97	15.11
303	500	13.91	4.97	5.50	15.76	15.93	303	350	13.07	4.84	5.37	14.93	15.08
303	495	13.87	4.96	5.50	15.73	15.91	303	345	13.03	4.84	5.36	14.90	15.04
303	490	13.86	4.96	5.50	15.71	15.89	303	340	13.00	4.83	5.36	14.87	15.00
303	485	13.82	4.95	5.49	15.68	15.86	303	335	12.97	4.83	5.35	14.83	14.97
303	480	13.81	4.95	5.49	15.66	15.84	303	330	12.93	4.82	5.35	14.80	14.93
303	475	13.79	4.95	5.48	15.64	15.81	303	325	12.88	4.82	5.34	14.75	14.89
303	470	13.76	4.94	5.48	15.61	15.79	303	320	12.85	4.81	5.33	14.72	14.85
303	465	13.74	4.94	5.48	15.59	15.76	303	315	12.82	4.81	5.33	14.69	14.81
303	460	13.70	4.94	5.47	15.56	15.74	303	310	12.78	4.80	5.32	14.65	14.77
303	455	13.67	4.93	5.47	15.53	15.71	303	305	12.75	4.80	5.31	14.62	14.73
303	450	13.65	4.93	5.46	15.51	15.69	303	300	12.70	4.79	5.31	14.57	14.69
303	445	13.62	4.93	5.46	15.48	15.66	303	295	12.67	4.78	5.30	14.54	14.64
303	440	13.60	4.92	5.45	15.46	15.63	303	290	12.63	4.78	5.30	14.51	14.60
303	435	13.57	4.92	5.45	15.43	15.61	303	285	12.58	4.77	5.29	14.46	14.55
303	430	13.54	4.91	5.44	15.39	15.58	303	280	12.55	4.77	5.28	14.43	14.51

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
303	275	12.50	4.76	5.27	14.38	14.46	303	125	10.57	4.45	4.93	12.49	12.11
303	270	12.47	4.75	5.27	14.34	14.41	303	120	10.46	4.43	4.91	12.38	11.97
303	265	12.42	4.75	5.26	14.30	14.36	303	115	10.33	4.41	4.89	12.25	11.81
303	260	12.37	4.74	5.25	14.25	14.31	303	110	10.21	4.39	4.86	12.13	11.63
303	255	12.33	4.73	5.25	14.21	14.26	303	105	10.05	4.36	4.83	11.97	11.44
303	250	12.28	4.73	5.24	14.17	14.21	303	100	9.87	4.33	4.80	11.80	11.23
303	245	12.23	4.72	5.23	14.12	14.15	303	95	9.68	4.30	4.76	11.61	10.99
303	240	12.18	4.71	5.22	14.07	14.10	303	90	9.46	4.26	4.72	11.40	10.71
303	235	12.14	4.70	5.21	14.02	14.04	303	85	9.20	4.21	4.66	11.14	10.37
303	230	12.09	4.70	5.20	13.97	13.98	303	80	8.84	4.14	4.59	10.79	9.95
303	225	12.04	4.69	5.19	13.92	13.92	303	75	8.30	4.04	4.48	10.26	9.32
303	220	11.99	4.68	5.19	13.87	13.86	303	65	1.96	2.27	2.51	3.91	3.75
303	215	11.94	4.67	5.18	13.83	13.79	303	60	1.54	2.06	2.28	3.43	3.14
303	210	11.87	4.66	5.17	13.76	13.73	303	55	1.25	1.89	2.10	3.09	2.68
303	205	11.82	4.65	5.16	13.71	13.66	303	50	1.02	1.75	1.94	2.80	2.30
303	200	11.76	4.64	5.15	13.65	13.59	303	45	0.83	1.61	1.79	2.55	1.97
303	195	11.71	4.64	5.14	13.60	13.52	303	40	0.67	1.48	1.64	2.31	1.68
303	190	11.64	4.63	5.13	13.54	13.44	303	35	0.55	1.36	1.51	2.10	1.41
303	185	11.58	4.62	5.11	13.47	13.37	303	30	0.43	1.23	1.36	1.89	1.17
303	180	11.51	4.60	5.10	13.41	13.29	303	25	0.33	1.11	1.23	1.68	0.94
303	175	11.45	4.59	5.09	13.34	13.20	303	20	0.24	0.98	1.09	1.48	0.73
303	170	11.38	4.58	5.08	13.28	13.11	303	15	0.16	0.83	0.93	1.26	0.53
303	165	11.30	4.57	5.06	13.20	13.02	303	10	0.10	0.68	0.75	1.01	0.35
303	160	11.22	4.56	5.05	13.12	12.93	313	905	15.03	5.12	5.60	16.84	16.84
303	155	11.14	4.54	5.04	13.04	12.83	313	900	15.02	5.12	5.60	16.83	16.83
303	150	11.06	4.53	5.02	12.96	12.73	313	895	15.00	5.12	5.60	16.81	16.82
303	145	10.98	4.52	5.01	12.88	12.62	313	890	14.98	5.12	5.60	16.79	16.81
303	140	10.88	4.50	4.99	12.79	12.50	313	885	14.98	5.12	5.60	16.79	16.80
303	135	10.78	4.49	4.97	12.69	12.38	313	880	14.97	5.11	5.59	16.78	16.79
303	130	10.69	4.47	4.95	12.60	12.25	313	875	14.95	5.11	5.59	16.76	16.77

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
313	870	14.93	5.11	5.59	16.74	16.76	313	720	14.40	5.04	5.51	16.22	16.34
313	865	14.91	5.11	5.58	16.72	16.75	313	715	14.38	5.03	5.50	16.20	16.32
313	860	14.90	5.11	5.58	16.71	16.74	313	710	14.37	5.03	5.50	16.19	16.31
313	855	14.88	5.10	5.58	16.69	16.72	313	705	14.35	5.03	5.50	16.17	16.29
313	850	14.86	5.10	5.58	16.67	16.71	313	700	14.33	5.03	5.50	16.15	16.27
313	845	14.85	5.10	5.57	16.66	16.70	313	695	14.30	5.02	5.49	16.12	16.26
313	840	14.83	5.10	5.57	16.64	16.69	313	690	14.28	5.02	5.49	16.10	16.24
313	835	14.81	5.09	5.57	16.62	16.67	313	685	14.26	5.02	5.49	16.09	16.22
313	830	14.79	5.09	5.57	16.61	16.66	313	680	14.25	5.01	5.48	16.07	16.21
313	825	14.78	5.09	5.56	16.59	16.65	313	675	14.23	5.01	5.48	16.05	16.19
313	820	14.76	5.09	5.56	16.57	16.63	313	670	14.21	5.01	5.48	16.04	16.17
313	815	14.74	5.08	5.56	16.56	16.62	313	665	14.18	5.01	5.47	16.00	16.15
313	810	14.73	5.08	5.56	16.54	16.60	313	660	14.16	5.00	5.47	15.99	16.14
313	805	14.71	5.08	5.55	16.52	16.59	313	655	14.15	5.00	5.47	15.97	16.12
313	800	14.69	5.08	5.55	16.51	16.58	313	650	14.13	5.00	5.47	15.95	16.10
313	795	14.67	5.07	5.55	16.49	16.56	313	645	14.11	5.00	5.46	15.94	16.08
313	790	14.66	5.07	5.55	16.47	16.55	313	640	14.08	4.99	5.46	15.90	16.06
313	785	14.64	5.07	5.54	16.45	16.54	313	635	14.06	4.99	5.45	15.88	16.04
313	780	14.62	5.07	5.54	16.44	16.52	313	630	14.04	4.99	5.45	15.87	16.02
313	775	14.61	5.06	5.54	16.42	16.51	313	625	14.01	4.98	5.45	15.83	16.00
313	770	14.59	5.06	5.54	16.40	16.49	313	620	13.99	4.98	5.44	15.82	15.99
313	765	14.57	5.06	5.53	16.39	16.48	313	615	13.98	4.98	5.44	15.80	15.97
313	760	14.55	5.06	5.53	16.37	16.46	313	610	13.96	4.97	5.44	15.78	15.95
313	755	14.54	5.06	5.53	16.35	16.45	313	605	13.92	4.97	5.43	15.75	15.93
313	750	14.52	5.05	5.53	16.34	16.43	313	600	13.91	4.97	5.43	15.73	15.91
313	745	14.50	5.05	5.52	16.32	16.42	313	595	13.89	4.96	5.43	15.72	15.88
313	740	14.47	5.05	5.52	16.29	16.40	313	590	13.86	4.96	5.42	15.68	15.86
313	735	14.45	5.04	5.52	16.27	16.39	313	585	13.84	4.96	5.42	15.67	15.84
313	730	14.43	5.04	5.51	16.25	16.37	313	580	13.82	4.95	5.42	15.65	15.82
313	725	14.42	5.04	5.51	16.24	16.35	313	575	13.79	4.95	5.41	15.62	15.80

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
313	570	13.77	4.95	5.41	15.60	15.78	313	420	12.97	4.83	5.28	14.81	14.98
313	565	13.76	4.94	5.41	15.59	15.76	313	415	12.93	4.82	5.28	14.78	14.95
313	560	13.72	4.94	5.40	15.55	15.73	313	410	12.90	4.82	5.27	14.74	14.91
313	555	13.70	4.94	5.40	15.54	15.71	313	405	12.87	4.81	5.26	14.71	14.88
313	550	13.67	4.93	5.39	15.50	15.69	313	400	12.83	4.81	5.26	14.68	14.85
313	545	13.65	4.93	5.39	15.49	15.67	313	395	12.80	4.80	5.25	14.65	14.81
313	540	13.62	4.93	5.39	15.45	15.64	313	390	12.77	4.80	5.25	14.61	14.78
313	535	13.60	4.92	5.38	15.44	15.62	313	385	12.73	4.79	5.24	14.58	14.74
313	530	13.57	4.92	5.38	15.40	15.59	313	380	12.70	4.79	5.24	14.55	14.70
313	525	13.55	4.92	5.38	15.39	15.57	313	375	12.67	4.78	5.23	14.51	14.67
313	520	13.52	4.91	5.37	15.35	15.55	313	370	12.63	4.78	5.23	14.48	14.63
313	515	13.50	4.91	5.37	15.34	15.52	313	365	12.60	4.77	5.22	14.45	14.59
313	510	13.47	4.90	5.36	15.30	15.50	313	360	12.57	4.77	5.21	14.42	14.55
313	505	13.45	4.90	5.36	15.29	15.47	313	355	12.52	4.76	5.21	14.37	14.51
313	500	13.42	4.90	5.35	15.25	15.44	313	350	12.48	4.76	5.20	14.34	14.47
313	495	13.40	4.89	5.35	15.24	15.42	313	345	12.45	4.75	5.20	14.30	14.43
313	490	13.37	4.89	5.35	15.20	15.39	313	340	12.40	4.74	5.19	14.25	14.39
313	485	13.33	4.88	5.34	15.17	15.36	313	335	12.37	4.74	5.18	14.22	14.34
313	480	13.32	4.88	5.34	15.15	15.34	313	330	12.33	4.73	5.18	14.19	14.30
313	475	13.28	4.88	5.33	15.12	15.31	313	325	12.28	4.73	5.17	14.14	14.26
313	470	13.27	4.87	5.33	15.11	15.28	313	320	12.25	4.72	5.16	14.11	14.21
313	465	13.23	4.87	5.32	15.07	15.25	313	315	12.20	4.71	5.15	14.06	14.16
313	460	13.20	4.86	5.32	15.04	15.23	313	310	12.17	4.71	5.15	14.03	14.12
313	455	13.17	4.86	5.31	15.01	15.20	313	305	12.12	4.70	5.14	13.98	14.07
313	450	13.15	4.86	5.31	14.99	15.17	313	300	12.07	4.69	5.13	13.93	14.02
313	445	13.12	4.85	5.31	14.96	15.14	313	295	12.04	4.69	5.13	13.90	13.97
313	440	13.08	4.85	5.30	14.92	15.11	313	290	11.99	4.68	5.12	13.85	13.91
313	435	13.05	4.84	5.29	14.89	15.08	313	285	11.94	4.67	5.11	13.80	13.86
313	430	13.03	4.84	5.29	14.87	15.04	313	280	11.89	4.66	5.10	13.75	13.81
313	425	13.00	4.83	5.29	14.84	15.01	313	275	11.84	4.66	5.09	13.70	13.75

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
313	270	11.79	4.65	5.08	13.66	13.69	313	120	9.04	4.18	4.57	10.96	10.39
313	265	11.74	4.64	5.08	13.61	13.63	313	115	8.81	4.14	4.52	10.73	10.11
313	260	11.69	4.63	5.07	13.56	13.57	313	110	8.53	4.08	4.47	10.46	9.79
313	255	11.64	4.63	5.06	13.51	13.51	313	105	8.18	4.02	4.39	10.12	9.41
313	250	11.58	4.62	5.05	13.45	13.45	313	100	7.74	3.93	4.30	9.68	8.92
313	245	11.53	4.61	5.04	13.40	13.38	313	95	7.07	3.79	4.14	9.03	8.26
313	240	11.46	4.60	5.03	13.33	13.32	313	90	5.89	3.52	3.85	7.87	7.23
313	235	11.41	4.59	5.02	13.29	13.25	313	80	2.89	2.65	2.90	4.88	4.76
313	230	11.35	4.58	5.01	13.22	13.17	313	75	2.26	2.40	2.63	4.22	4.04
313	225	11.28	4.57	5.00	13.16	13.10	313	70	1.84	2.21	2.42	3.75	3.51
313	220	11.22	4.56	4.98	13.10	13.03	313	65	1.52	2.05	2.24	3.40	3.07
313	215	11.15	4.55	4.97	13.03	12.95	313	60	1.28	1.91	2.09	3.11	2.69
313	210	11.09	4.54	4.96	12.97	12.87	313	55	1.08	1.79	1.96	2.86	2.36
313	205	11.01	4.52	4.95	12.89	12.78	313	50	0.90	1.66	1.82	2.62	2.06
313	200	10.94	4.51	4.93	12.83	12.69	313	45	0.76	1.55	1.70	2.42	1.79
313	195	10.86	4.50	4.92	12.75	12.60	313	40	0.62	1.43	1.56	2.21	1.54
313	190	10.78	4.49	4.91	12.67	12.51	313	35	0.50	1.32	1.44	2.01	1.31
313	185	10.70	4.47	4.89	12.59	12.41	313	30	0.40	1.20	1.31	1.82	1.09
313	180	10.62	4.46	4.88	12.51	12.30	313	25	0.31	1.09	1.19	1.64	0.88
313	175	10.53	4.44	4.86	12.41	12.19	313	20	0.23	0.96	1.05	1.43	0.69
313	170	10.43	4.43	4.84	12.32	12.08	313	15	0.15	0.82	0.90	1.23	0.51
313	165	10.33	4.41	4.82	12.23	11.96	313	10	0.09	0.66	0.72	0.98	0.33
313	160	10.24	4.39	4.80	12.13	11.83	313	5	0.04	0.47	0.51	0.69	0.16
313	155	10.13	4.37	4.78	12.02	11.69							
313	150	10.00	4.35	4.76	11.90	11.55							
313	145	9.87	4.33	4.74	11.77	11.39							
313	140	9.75	4.31	4.71	11.65	11.23							
313	135	9.59	4.28	4.68	11.50	11.05							
313	130	9.43	4.25	4.65	11.34	10.85							
313	125	9.24	4.22	4.61	11.16	10.63							

T, K	P, bar	δ_b , MPa ^{1/2}	δ_p , MPa ^{1/2}	δ_h , MPa ^{1/2}	δ_T , MPa ^{1/2}	$\delta_{\text{Hildebrand}}$, MPa ^{1/2}	T, K	P, bar	δ_b , MPa ^{1/2}	δ_p , MPa ^{1/2}	δ_h , MPa ^{1/2}	δ_T , MPa ^{1/2}	$\delta_{\text{Hildebrand}}$, MPa ^{1/2}
323	905	14.67	5.07	5.48	16.46	16.46	323	755	14.13	5.00	5.39	15.93	16.02
323	900	14.66	5.07	5.47	16.45	16.44	323	750	14.11	5.00	5.39	15.91	16.01
323	895	14.64	5.07	5.47	16.43	16.43	323	745	14.09	4.99	5.39	15.89	15.99
323	890	14.62	5.07	5.47	16.41	16.42	323	740	14.08	4.99	5.39	15.88	15.97
323	885	14.61	5.06	5.47	16.40	16.41	323	735	14.06	4.99	5.38	15.86	15.95
323	880	14.59	5.06	5.46	16.38	16.39	323	730	14.04	4.99	5.38	15.84	15.94
323	875	14.57	5.06	5.46	16.36	16.38	323	725	14.01	4.98	5.38	15.81	15.92
323	870	14.55	5.06	5.46	16.35	16.36	323	720	13.99	4.98	5.37	15.79	15.90
323	865	14.54	5.06	5.46	16.33	16.35	323	715	13.98	4.98	5.37	15.78	15.89
323	860	14.52	5.05	5.45	16.31	16.34	323	710	13.96	4.97	5.37	15.76	15.87
323	855	14.50	5.05	5.45	16.30	16.32	323	705	13.94	4.97	5.37	15.74	15.85
323	850	14.49	5.05	5.45	16.28	16.31	323	700	13.91	4.97	5.36	15.71	15.83
323	845	14.47	5.05	5.45	16.26	16.30	323	695	13.89	4.96	5.36	15.69	15.81
323	840	14.45	5.04	5.44	16.25	16.28	323	690	13.87	4.96	5.35	15.68	15.79
323	835	14.43	5.04	5.44	16.23	16.27	323	685	13.86	4.96	5.35	15.66	15.77
323	830	14.42	5.04	5.44	16.21	16.25	323	680	13.82	4.95	5.35	15.63	15.76
323	825	14.40	5.04	5.44	16.20	16.24	323	675	13.81	4.95	5.34	15.61	15.74
323	820	14.38	5.03	5.43	16.18	16.22	323	670	13.79	4.95	5.34	15.59	15.72
323	815	14.37	5.03	5.43	16.16	16.21	323	665	13.77	4.95	5.34	15.58	15.70
323	810	14.35	5.03	5.43	16.14	16.19	323	660	13.74	4.94	5.33	15.54	15.68
323	805	14.32	5.02	5.42	16.11	16.18	323	655	13.72	4.94	5.33	15.53	15.66
323	800	14.30	5.02	5.42	16.09	16.17	323	650	13.70	4.94	5.33	15.51	15.64
323	795	14.28	5.02	5.42	16.08	16.15	323	645	13.67	4.93	5.32	15.48	15.62
323	790	14.26	5.02	5.41	16.06	16.13	323	640	13.65	4.93	5.32	15.46	15.60
323	785	14.25	5.01	5.41	16.04	16.12	323	635	13.64	4.93	5.32	15.44	15.58
323	780	14.23	5.01	5.41	16.03	16.10	323	630	13.60	4.92	5.31	15.41	15.55
323	775	14.21	5.01	5.41	16.01	16.09	323	625	13.59	4.92	5.31	15.39	15.53
323	770	14.20	5.01	5.40	15.99	16.07	323	620	13.57	4.92	5.31	15.38	15.51
323	765	14.18	5.01	5.40	15.98	16.05	323	615	13.54	4.91	5.30	15.35	15.49
323	760	14.16	5.00	5.40	15.96	16.04	323	610	13.52	4.91	5.30	15.33	15.47

T, K	P, bar	δ_b , MPa ^{1/2}	δ_p , MPa ^{1/2}	δ_h , MPa ^{1/2}	δ_T , MPa ^{1/2}	$\delta_{\text{Hildebrand}}$, MPa ^{1/2}	T, K	P, bar	δ_b , MPa ^{1/2}	δ_p , MPa ^{1/2}	δ_h , MPa ^{1/2}	δ_T , MPa ^{1/2}	$\delta_{\text{Hildebrand}}$, MPa ^{1/2}
323	605	13.49	4.91	5.29	15.30	15.45	323	455	12.67	4.78	5.16	14.49	14.64
323	600	13.47	4.90	5.29	15.28	15.42	323	450	12.63	4.78	5.16	14.46	14.60
323	595	13.43	4.90	5.29	15.25	15.40	323	445	12.60	4.77	5.15	14.42	14.57
323	590	13.42	4.90	5.28	15.23	15.38	323	440	12.57	4.77	5.15	14.39	14.54
323	585	13.40	4.89	5.28	15.21	15.36	323	435	12.53	4.76	5.14	14.36	14.50
323	580	13.37	4.89	5.28	15.18	15.33	323	430	12.50	4.76	5.14	14.33	14.47
323	575	13.35	4.89	5.27	15.16	15.31	323	425	12.47	4.75	5.13	14.29	14.43
323	570	13.32	4.88	5.27	15.13	15.28	323	420	12.43	4.75	5.12	14.26	14.40
323	565	13.30	4.88	5.26	15.11	15.26	323	415	12.40	4.74	5.12	14.23	14.36
323	560	13.27	4.87	5.26	15.08	15.24	323	410	12.37	4.74	5.11	14.20	14.32
323	555	13.23	4.87	5.25	15.05	15.21	323	405	12.33	4.73	5.11	14.16	14.28
323	550	13.22	4.87	5.25	15.03	15.19	323	400	12.28	4.73	5.10	14.12	14.24
323	545	13.18	4.86	5.25	15.00	15.16	323	395	12.25	4.72	5.09	14.08	14.21
323	540	13.17	4.86	5.24	14.98	15.13	323	390	12.22	4.72	5.09	14.05	14.17
323	535	13.13	4.85	5.24	14.95	15.11	323	385	12.18	4.71	5.08	14.02	14.12
323	530	13.12	4.85	5.24	14.93	15.08	323	380	12.14	4.70	5.08	13.97	14.08
323	525	13.08	4.85	5.23	14.90	15.05	323	375	12.10	4.70	5.07	13.94	14.04
323	520	13.05	4.84	5.22	14.87	15.03	323	370	12.07	4.69	5.06	13.90	14.00
323	515	13.03	4.84	5.22	14.85	15.00	323	365	12.02	4.69	5.06	13.86	13.96
323	510	13.00	4.83	5.22	14.82	14.97	323	360	11.99	4.68	5.05	13.82	13.91
323	505	12.97	4.83	5.21	14.78	14.94	323	355	11.94	4.67	5.04	13.78	13.87
323	500	12.93	4.82	5.21	14.75	14.91	323	350	11.91	4.67	5.04	13.74	13.82
323	495	12.92	4.82	5.20	14.74	14.89	323	345	11.86	4.66	5.03	13.70	13.77
323	490	12.88	4.82	5.20	14.70	14.86	323	340	11.81	4.65	5.02	13.65	13.72
323	485	12.85	4.81	5.19	14.67	14.83	323	335	11.77	4.65	5.01	13.61	13.67
323	480	12.82	4.81	5.19	14.64	14.80	323	330	11.72	4.64	5.01	13.57	13.62
323	475	12.80	4.80	5.18	14.62	14.76	323	325	11.68	4.63	5.00	13.52	13.57
323	470	12.77	4.80	5.18	14.59	14.73	323	320	11.63	4.62	4.99	13.47	13.52
323	465	12.73	4.79	5.17	14.56	14.70	323	315	11.58	4.62	4.98	13.42	13.47
323	460	12.70	4.79	5.17	14.52	14.67	323	310	11.53	4.61	4.97	13.37	13.41

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
323	305	11.48	4.60	4.96	13.33	13.35	323	155	8.93	4.16	4.49	10.83	10.39
323	300	11.43	4.59	4.96	13.28	13.30	323	150	8.76	4.13	4.46	10.66	10.19
323	295	11.38	4.58	4.95	13.23	13.24	323	145	8.56	4.09	4.41	10.47	9.97
323	290	11.32	4.57	4.94	13.17	13.18	323	140	8.35	4.05	4.37	10.26	9.73
323	285	11.27	4.57	4.93	13.12	13.11	323	135	8.10	4.00	4.32	10.02	9.45
323	280	11.22	4.56	4.92	13.07	13.05	323	130	7.82	3.94	4.26	9.73	9.15
323	275	11.15	4.55	4.91	13.01	12.99	323	125	7.48	3.88	4.18	9.41	8.80
323	270	11.09	4.54	4.90	12.94	12.92	323	120	7.08	3.79	4.09	9.02	8.40
323	265	11.04	4.53	4.89	12.90	12.85	323	115	6.58	3.68	3.97	8.53	7.92
323	260	10.98	4.52	4.88	12.83	12.78	323	110	5.95	3.54	3.82	7.90	7.36
323	255	10.91	4.51	4.86	12.77	12.70	323	105	5.19	3.35	3.61	7.15	6.72
323	250	10.85	4.50	4.85	12.71	12.63	323	100	4.34	3.12	3.36	6.31	6.02
323	245	10.78	4.49	4.84	12.64	12.55	323	95	3.56	2.88	3.11	5.54	5.34
323	240	10.70	4.47	4.83	12.56	12.47	323	90	2.93	2.66	2.87	4.89	4.73
323	235	10.64	4.46	4.81	12.50	12.39	323	85	2.45	2.48	2.68	4.40	4.20
323	230	10.56	4.45	4.80	12.42	12.30	323	80	2.09	2.33	2.51	4.01	3.75
323	225	10.49	4.44	4.79	12.36	12.21	323	75	1.78	2.18	2.35	3.67	3.36
323	220	10.41	4.42	4.77	12.28	12.12	323	70	1.54	2.06	2.22	3.39	3.00
323	215	10.33	4.41	4.76	12.20	12.02	323	65	1.32	1.94	2.09	3.14	2.69
323	210	10.24	4.39	4.74	12.11	11.92	323	60	1.13	1.82	1.97	2.91	2.40
323	205	10.16	4.38	4.73	12.03	11.81	323	55	0.97	1.71	1.85	2.70	2.13
323	200	10.06	4.36	4.71	11.94	11.70	323	50	0.82	1.60	1.73	2.50	1.88
323	195	9.95	4.34	4.69	11.83	11.59	323	45	0.69	1.50	1.61	2.31	1.64
323	190	9.86	4.33	4.67	11.73	11.47	323	40	0.57	1.39	1.50	2.12	1.42
323	185	9.75	4.31	4.65	11.63	11.34	323	35	0.47	1.28	1.38	1.94	1.22
323	180	9.64	4.29	4.63	11.52	11.21	323	30	0.38	1.17	1.26	1.76	1.02
323	175	9.51	4.27	4.60	11.39	11.06	323	25	0.29	1.05	1.13	1.57	0.83
323	170	9.38	4.24	4.58	11.27	10.91	323	20	0.21	0.93	1.00	1.38	0.65
323	165	9.24	4.22	4.55	11.13	10.75	323	15	0.15	0.81	0.87	1.19	0.48
323	160	9.10	4.19	4.52	11.00	10.58	323	10	0.08	0.64	0.69	0.94	0.31

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
333	905	14.32	5.02	5.35	16.09	16.07	333	755	13.74	4.94	5.26	15.52	15.60
333	900	14.30	5.02	5.35	16.07	16.06	333	750	13.72	4.94	5.26	15.50	15.58
333	895	14.28	5.02	5.35	16.05	16.05	333	745	13.70	4.94	5.26	15.49	15.56
333	890	14.25	5.01	5.34	16.02	16.03	333	740	13.69	4.94	5.26	15.47	15.55
333	885	14.23	5.01	5.34	16.00	16.02	333	735	13.65	4.93	5.25	15.44	15.53
333	880	14.21	5.01	5.34	15.99	16.00	333	730	13.64	4.93	5.25	15.42	15.51
333	875	14.20	5.01	5.33	15.97	15.99	333	725	13.62	4.93	5.25	15.40	15.49
333	870	14.18	5.01	5.33	15.95	15.97	333	720	13.59	4.92	5.24	15.37	15.47
333	865	14.16	5.00	5.33	15.94	15.96	333	715	13.57	4.92	5.24	15.35	15.45
333	860	14.15	5.00	5.33	15.92	15.94	333	710	13.55	4.92	5.24	15.34	15.43
333	855	14.13	5.00	5.32	15.90	15.93	333	705	13.54	4.91	5.23	15.32	15.41
333	850	14.11	5.00	5.32	15.89	15.91	333	700	13.50	4.91	5.23	15.29	15.39
333	845	14.09	4.99	5.32	15.87	15.90	333	695	13.49	4.91	5.22	15.27	15.37
333	840	14.08	4.99	5.32	15.85	15.88	333	690	13.47	4.90	5.22	15.26	15.35
333	835	14.06	4.99	5.31	15.84	15.87	333	685	13.43	4.90	5.22	15.22	15.33
333	830	14.04	4.99	5.31	15.82	15.85	333	680	13.42	4.90	5.21	15.21	15.31
333	825	14.03	4.98	5.31	15.80	15.84	333	675	13.40	4.89	5.21	15.19	15.29
333	820	13.99	4.98	5.30	15.77	15.82	333	670	13.37	4.89	5.21	15.16	15.27
333	815	13.98	4.98	5.30	15.75	15.80	333	665	13.35	4.89	5.20	15.14	15.25
333	810	13.96	4.97	5.30	15.74	15.79	333	660	13.32	4.88	5.20	15.11	15.23
333	805	13.94	4.97	5.29	15.72	15.77	333	655	13.30	4.88	5.20	15.09	15.20
333	800	13.92	4.97	5.29	15.70	15.75	333	650	13.28	4.88	5.19	15.07	15.18
333	795	13.91	4.97	5.29	15.69	15.74	333	645	13.25	4.87	5.19	15.04	15.16
333	790	13.89	4.96	5.29	15.67	15.72	333	640	13.23	4.87	5.19	15.02	15.14
333	785	13.86	4.96	5.28	15.64	15.70	333	635	13.20	4.86	5.18	14.99	15.11
333	780	13.84	4.96	5.28	15.62	15.69	333	630	13.18	4.86	5.18	14.97	15.09
333	775	13.82	4.95	5.28	15.60	15.67	333	625	13.15	4.86	5.17	14.94	15.07
333	770	13.81	4.95	5.27	15.59	15.65	333	620	13.13	4.85	5.17	14.92	15.04
333	765	13.79	4.95	5.27	15.57	15.64	333	615	13.10	4.85	5.16	14.89	15.02
333	760	13.76	4.94	5.27	15.54	15.62	333	610	13.08	4.85	5.16	14.88	15.00

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
333	605	13.05	4.84	5.16	14.84	14.97	333	455	12.17	4.71	5.01	13.98	14.08
333	600	13.03	4.84	5.15	14.83	14.95	333	450	12.12	4.70	5.01	13.93	14.04
333	595	13.00	4.83	5.15	14.79	14.92	333	445	12.09	4.70	5.00	13.90	14.01
333	590	12.98	4.83	5.15	14.78	14.90	333	440	12.05	4.69	5.00	13.86	13.97
333	585	12.95	4.83	5.14	14.74	14.87	333	435	12.02	4.69	4.99	13.83	13.93
333	580	12.92	4.82	5.14	14.71	14.85	333	430	11.99	4.68	4.98	13.80	13.89
333	575	12.90	4.82	5.13	14.69	14.82	333	425	11.94	4.67	4.98	13.75	13.85
333	570	12.87	4.81	5.13	14.66	14.79	333	420	11.91	4.67	4.97	13.72	13.81
333	565	12.85	4.81	5.12	14.65	14.77	333	415	11.87	4.66	4.97	13.69	13.77
333	560	12.82	4.81	5.12	14.61	14.74	333	410	11.82	4.65	4.96	13.64	13.73
333	555	12.78	4.80	5.11	14.58	14.71	333	405	11.79	4.65	4.95	13.61	13.69
333	550	12.77	4.80	5.11	14.56	14.68	333	400	11.74	4.64	4.94	13.56	13.64
333	545	12.73	4.79	5.11	14.53	14.66	333	395	11.71	4.64	4.94	13.53	13.60
333	540	12.70	4.79	5.10	14.50	14.63	333	390	11.66	4.63	4.93	13.48	13.56
333	535	12.67	4.78	5.10	14.47	14.60	333	385	11.63	4.62	4.92	13.45	13.51
333	530	12.65	4.78	5.09	14.45	14.57	333	380	11.58	4.62	4.92	13.40	13.46
333	525	12.62	4.78	5.09	14.42	14.54	333	375	11.53	4.61	4.91	13.35	13.42
333	520	12.58	4.77	5.08	14.38	14.51	333	370	11.50	4.60	4.90	13.32	13.37
333	515	12.55	4.77	5.08	14.35	14.48	333	365	11.45	4.59	4.89	13.27	13.32
333	510	12.52	4.76	5.07	14.32	14.45	333	360	11.40	4.59	4.88	13.22	13.27
333	505	12.48	4.76	5.07	14.29	14.42	333	355	11.35	4.58	4.88	13.17	13.22
333	500	12.47	4.75	5.06	14.27	14.39	333	350	11.30	4.57	4.87	13.13	13.16
333	495	12.43	4.75	5.06	14.24	14.35	333	345	11.25	4.56	4.86	13.08	13.11
333	490	12.40	4.74	5.05	14.21	14.32	333	340	11.20	4.55	4.85	13.03	13.06
333	485	12.37	4.74	5.05	14.17	14.29	333	335	11.15	4.55	4.84	12.98	13.00
333	480	12.33	4.73	5.04	14.14	14.26	333	330	11.11	4.54	4.83	12.93	12.94
333	475	12.30	4.73	5.04	14.11	14.22	333	325	11.06	4.53	4.83	12.89	12.88
333	470	12.27	4.72	5.03	14.08	14.19	333	320	10.99	4.52	4.81	12.82	12.82
333	465	12.23	4.72	5.03	14.04	14.15	333	315	10.94	4.51	4.81	12.78	12.76
333	460	12.20	4.71	5.02	14.01	14.12	333	310	10.88	4.50	4.79	12.71	12.70

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
333	305	10.83	4.49	4.79	12.67	12.64	333	155	7.59	3.90	4.15	9.49	9.02
333	300	10.77	4.48	4.77	12.60	12.57	333	150	7.34	3.85	4.10	9.24	8.75
333	295	10.70	4.47	4.76	12.54	12.50	333	145	7.05	3.79	4.03	8.96	8.46
333	290	10.65	4.46	4.75	12.49	12.43	333	140	6.73	3.71	3.96	8.64	8.15
333	285	10.59	4.45	4.74	12.43	12.36	333	135	6.35	3.63	3.87	8.27	7.80
333	280	10.53	4.44	4.73	12.37	12.29	333	130	5.95	3.54	3.77	7.88	7.42
333	275	10.45	4.43	4.72	12.29	12.21	333	125	5.48	3.42	3.64	7.42	7.00
333	270	10.38	4.42	4.71	12.22	12.13	333	120	4.96	3.29	3.50	6.91	6.55
333	265	10.32	4.41	4.69	12.16	12.05	333	115	4.43	3.14	3.35	6.38	6.08
333	260	10.24	4.39	4.68	12.08	11.97	333	110	3.90	2.99	3.18	5.85	5.61
333	255	10.16	4.38	4.66	12.01	11.88	333	105	3.41	2.83	3.01	5.36	5.15
333	250	10.08	4.37	4.65	11.93	11.79	333	100	2.98	2.68	2.86	4.92	4.71
333	245	10.00	4.35	4.64	11.85	11.70	333	95	2.60	2.54	2.70	4.53	4.30
333	240	9.92	4.34	4.62	11.77	11.61	333	90	2.27	2.41	2.56	4.19	3.92
333	235	9.84	4.32	4.61	11.69	11.51	333	85	1.99	2.28	2.43	3.89	3.57
333	230	9.75	4.31	4.59	11.60	11.40	333	80	1.75	2.17	2.31	3.61	3.25
333	225	9.65	4.29	4.57	11.51	11.30	333	75	1.54	2.06	2.19	3.37	2.96
333	220	9.56	4.27	4.55	11.42	11.18	333	70	1.34	1.95	2.08	3.15	2.68
333	215	9.45	4.25	4.53	11.31	11.07	333	65	1.17	1.85	1.97	2.94	2.42
333	210	9.34	4.23	4.51	11.20	10.94	333	60	1.02	1.75	1.86	2.75	2.18
333	205	9.23	4.22	4.49	11.09	10.82	333	55	0.88	1.65	1.76	2.56	1.95
333	200	9.10	4.19	4.46	10.97	10.68	333	50	0.76	1.55	1.65	2.39	1.74
333	195	8.98	4.17	4.44	10.85	10.54	333	45	0.65	1.45	1.55	2.22	1.53
333	190	8.86	4.15	4.42	10.73	10.39	333	40	0.54	1.35	1.44	2.05	1.33
333	185	8.72	4.12	4.39	10.59	10.23	333	35	0.44	1.25	1.33	1.88	1.14
333	180	8.56	4.09	4.36	10.44	10.06	333	30	0.35	1.14	1.21	1.70	0.96
333	175	8.39	4.06	4.32	10.28	9.88	333	25	0.27	1.03	1.10	1.53	0.79
333	170	8.23	4.03	4.29	10.11	9.69	333	20	0.20	0.92	0.98	1.36	0.62
333	165	8.03	3.99	4.25	9.92	9.48	333	15	0.14	0.79	0.84	1.16	0.46
333	160	7.82	3.94	4.20	9.71	9.26	333	10	0.08	0.64	0.68	0.94	0.30

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
343	905	13.96	4.97	5.23	15.71	15.69	343	755	13.35	4.89	5.14	15.12	15.18
343	900	13.92	4.97	5.22	15.68	15.68	343	750	13.33	4.88	5.13	15.10	15.16
343	895	13.91	4.97	5.22	15.66	15.66	343	745	13.32	4.88	5.13	15.08	15.14
343	890	13.89	4.96	5.22	15.65	15.65	343	740	13.28	4.88	5.13	15.05	15.12
343	885	13.87	4.96	5.22	15.63	15.63	343	735	13.27	4.87	5.12	15.03	15.10
343	880	13.86	4.96	5.21	15.61	15.62	343	730	13.25	4.87	5.12	15.02	15.08
343	875	13.84	4.96	5.21	15.60	15.60	343	725	13.22	4.87	5.11	14.98	15.06
343	870	13.82	4.95	5.21	15.58	15.59	343	720	13.20	4.86	5.11	14.97	15.04
343	865	13.81	4.95	5.20	15.56	15.57	343	715	13.18	4.86	5.11	14.95	15.02
343	860	13.79	4.95	5.20	15.55	15.55	343	710	13.15	4.86	5.10	14.92	15.00
343	855	13.77	4.95	5.20	15.53	15.54	343	705	13.13	4.85	5.10	14.90	14.98
343	850	13.74	4.94	5.19	15.50	15.52	343	700	13.10	4.85	5.10	14.87	14.96
343	845	13.72	4.94	5.19	15.48	15.51	343	695	13.08	4.85	5.09	14.85	14.94
343	840	13.70	4.94	5.19	15.46	15.49	343	690	13.07	4.84	5.09	14.84	14.91
343	835	13.69	4.94	5.19	15.45	15.47	343	685	13.03	4.84	5.09	14.80	14.89
343	830	13.67	4.93	5.18	15.43	15.46	343	680	13.02	4.84	5.08	14.79	14.87
343	825	13.65	4.93	5.18	15.41	15.44	343	675	12.98	4.83	5.08	14.75	14.85
343	820	13.62	4.93	5.18	15.38	15.42	343	670	12.97	4.83	5.08	14.74	14.82
343	815	13.60	4.92	5.17	15.36	15.40	343	665	12.93	4.82	5.07	14.70	14.80
343	810	13.59	4.92	5.17	15.35	15.39	343	660	12.92	4.82	5.07	14.69	14.78
343	805	13.57	4.92	5.17	15.33	15.37	343	655	12.88	4.82	5.06	14.66	14.75
343	800	13.55	4.92	5.17	15.31	15.35	343	650	12.87	4.81	5.06	14.64	14.73
343	795	13.52	4.91	5.16	15.28	15.33	343	645	12.83	4.81	5.05	14.61	14.70
343	790	13.50	4.91	5.16	15.26	15.31	343	640	12.82	4.81	5.05	14.59	14.68
343	785	13.49	4.91	5.16	15.25	15.30	343	635	12.78	4.80	5.05	14.56	14.66
343	780	13.47	4.90	5.15	15.23	15.28	343	630	12.75	4.80	5.04	14.52	14.63
343	775	13.43	4.90	5.15	15.20	15.26	343	625	12.73	4.79	5.04	14.51	14.61
343	770	13.42	4.90	5.15	15.18	15.24	343	620	12.70	4.79	5.03	14.48	14.58
343	765	13.40	4.89	5.14	15.17	15.22	343	615	12.68	4.79	5.03	14.46	14.55
343	760	13.38	4.89	5.14	15.15	15.20	343	610	12.65	4.78	5.03	14.43	14.53

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
343	605	12.62	4.78	5.02	14.39	14.50	343	455	11.66	4.63	4.86	13.45	13.53
343	600	12.60	4.77	5.02	14.38	14.48	343	450	11.61	4.62	4.86	13.41	13.49
343	595	12.57	4.77	5.01	14.34	14.45	343	445	11.58	4.62	4.85	13.37	13.45
343	590	12.53	4.76	5.01	14.31	14.42	343	440	11.54	4.61	4.85	13.34	13.40
343	585	12.52	4.76	5.00	14.30	14.39	343	435	11.50	4.60	4.84	13.29	13.36
343	580	12.48	4.76	5.00	14.26	14.36	343	430	11.46	4.60	4.83	13.26	13.32
343	575	12.45	4.75	4.99	14.23	14.34	343	425	11.41	4.59	4.82	13.21	13.28
343	570	12.42	4.75	4.99	14.20	14.31	343	420	11.37	4.58	4.82	13.17	13.23
343	565	12.40	4.74	4.99	14.18	14.28	343	415	11.33	4.58	4.81	13.13	13.19
343	560	12.37	4.74	4.98	14.15	14.25	343	410	11.28	4.57	4.80	13.09	13.14
343	555	12.33	4.73	4.98	14.12	14.22	343	405	11.25	4.56	4.80	13.05	13.09
343	550	12.30	4.73	4.97	14.08	14.19	343	400	11.20	4.55	4.79	13.01	13.05
343	545	12.27	4.72	4.96	14.05	14.16	343	395	11.15	4.55	4.78	12.96	13.00
343	540	12.23	4.72	4.96	14.02	14.13	343	390	11.11	4.54	4.77	12.91	12.95
343	535	12.20	4.71	4.95	13.99	14.10	343	385	11.06	4.53	4.76	12.86	12.90
343	530	12.18	4.71	4.95	13.97	14.06	343	380	11.01	4.52	4.75	12.82	12.85
343	525	12.15	4.71	4.95	13.94	14.03	343	375	10.96	4.52	4.75	12.77	12.79
343	520	12.12	4.70	4.94	13.91	14.00	343	370	10.91	4.51	4.74	12.72	12.74
343	515	12.09	4.70	4.94	13.87	13.97	343	365	10.86	4.50	4.73	12.67	12.68
343	510	12.05	4.69	4.93	13.84	13.93	343	360	10.81	4.49	4.72	12.63	12.63
343	505	12.02	4.69	4.92	13.81	13.90	343	355	10.77	4.48	4.71	12.58	12.57
343	500	11.99	4.68	4.92	13.78	13.86	343	350	10.70	4.47	4.70	12.52	12.51
343	495	11.94	4.67	4.91	13.73	13.83	343	345	10.65	4.46	4.69	12.47	12.45
343	490	11.91	4.67	4.91	13.70	13.79	343	340	10.59	4.45	4.68	12.41	12.39
343	485	11.87	4.66	4.90	13.66	13.76	343	335	10.54	4.45	4.67	12.36	12.33
343	480	11.84	4.66	4.89	13.63	13.72	343	330	10.48	4.43	4.66	12.30	12.27
343	475	11.81	4.65	4.89	13.60	13.68	343	325	10.41	4.42	4.65	12.23	12.20
343	470	11.77	4.65	4.88	13.57	13.65	343	320	10.37	4.42	4.64	12.19	12.13
343	465	11.72	4.64	4.88	13.52	13.61	343	315	10.30	4.40	4.63	12.12	12.06
343	460	11.69	4.63	4.87	13.49	13.57	343	310	10.24	4.39	4.62	12.06	11.99

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
343	305	10.17	4.38	4.61	12.00	11.92	343	155	6.23	3.60	3.79	8.14	7.73
343	300	10.09	4.37	4.59	11.92	11.84	343	150	5.92	3.53	3.71	7.83	7.44
343	295	10.03	4.36	4.58	11.86	11.77	343	145	5.59	3.45	3.63	7.50	7.13
343	290	9.97	4.35	4.57	11.80	11.69	343	140	5.24	3.36	3.53	7.16	6.81
343	285	9.89	4.33	4.55	11.72	11.61	343	135	4.85	3.26	3.43	6.78	6.47
343	280	9.81	4.32	4.54	11.64	11.52	343	130	4.47	3.15	3.32	6.40	6.11
343	275	9.73	4.31	4.53	11.56	11.44	343	125	4.08	3.04	3.20	6.01	5.75
343	270	9.65	4.29	4.51	11.49	11.35	343	120	3.70	2.93	3.07	5.63	5.39
343	265	9.57	4.28	4.50	11.41	11.25	343	115	3.34	2.81	2.95	5.27	5.04
343	260	9.48	4.26	4.48	11.32	11.16	343	110	3.00	2.69	2.83	4.92	4.69
343	255	9.40	4.25	4.46	11.24	11.06	343	105	2.69	2.58	2.71	4.61	4.35
343	250	9.31	4.23	4.45	11.15	10.96	343	100	2.42	2.47	2.59	4.32	4.04
343	245	9.21	4.21	4.43	11.06	10.85	343	95	2.17	2.36	2.48	4.05	3.73
343	240	9.10	4.19	4.41	10.95	10.74	343	90	1.94	2.26	2.37	3.81	3.45
343	235	9.01	4.17	4.39	10.86	10.63	343	85	1.73	2.16	2.27	3.58	3.18
343	230	8.90	4.15	4.37	10.75	10.51	343	80	1.55	2.06	2.17	3.37	2.92
343	225	8.79	4.13	4.35	10.64	10.38	343	75	1.37	1.97	2.07	3.17	2.68
343	220	8.67	4.11	4.32	10.52	10.25	343	70	1.22	1.87	1.97	2.98	2.45
343	215	8.55	4.09	4.30	10.40	10.11	343	65	1.07	1.78	1.87	2.80	2.23
343	210	8.41	4.06	4.27	10.27	9.97	343	60	0.94	1.69	1.78	2.63	2.01
343	205	8.27	4.03	4.24	10.13	9.82	343	55	0.81	1.60	1.68	2.46	1.81
343	200	8.12	4.00	4.21	9.98	9.66	343	50	0.70	1.50	1.58	2.29	1.62
343	195	7.97	3.97	4.18	9.83	9.50	343	45	0.60	1.41	1.48	2.14	1.43
343	190	7.80	3.94	4.14	9.67	9.32	343	40	0.50	1.32	1.38	1.97	1.25
343	185	7.62	3.90	4.10	9.49	9.13	343	35	0.42	1.22	1.28	1.82	1.08
343	180	7.44	3.87	4.06	9.32	8.94	343	30	0.33	1.12	1.18	1.66	0.91
343	175	7.23	3.82	4.02	9.11	8.72	343	25	0.26	1.02	1.07	1.50	0.75
343	170	7.01	3.78	3.97	8.90	8.50	343	20	0.19	0.89	0.94	1.31	0.59
343	165	6.77	3.72	3.91	8.66	8.26	343	15	0.13	0.78	0.81	1.13	0.44
343	160	6.51	3.67	3.85	8.41	8.01	343	10	0.08	0.62	0.65	0.90	0.29

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
353	905	13.60	4.92	5.11	15.34	15.32	353	755	12.97	4.83	5.01	14.71	14.77
353	900	13.59	4.92	5.10	15.32	15.30	353	750	12.95	4.83	5.01	14.70	14.75
353	895	13.57	4.92	5.10	15.31	15.29	353	745	12.93	4.82	5.00	14.68	14.73
353	890	13.54	4.91	5.10	15.28	15.27	353	740	12.90	4.82	5.00	14.65	14.71
353	885	13.52	4.91	5.09	15.26	15.25	353	735	12.88	4.82	5.00	14.63	14.68
353	880	13.50	4.91	5.09	15.24	15.24	353	730	12.85	4.81	4.99	14.60	14.66
353	875	13.49	4.91	5.09	15.23	15.22	353	725	12.83	4.81	4.99	14.58	14.64
353	870	13.47	4.90	5.09	15.21	15.20	353	720	12.80	4.80	4.98	14.55	14.62
353	865	13.45	4.90	5.08	15.19	15.19	353	715	12.78	4.80	4.98	14.53	14.60
353	860	13.42	4.90	5.08	15.16	15.17	353	710	12.77	4.80	4.98	14.52	14.57
353	855	13.40	4.89	5.08	15.14	15.15	353	705	12.73	4.79	4.97	14.49	14.55
353	850	13.38	4.89	5.07	15.13	15.14	353	700	12.72	4.79	4.97	14.47	14.53
353	845	13.37	4.89	5.07	15.11	15.12	353	695	12.68	4.79	4.97	14.44	14.50
353	840	13.33	4.88	5.07	15.08	15.10	353	690	12.67	4.78	4.96	14.42	14.48
353	835	13.32	4.88	5.06	15.06	15.08	353	685	12.63	4.78	4.96	14.39	14.46
353	830	13.30	4.88	5.06	15.04	15.06	353	680	12.60	4.77	4.95	14.35	14.43
353	825	13.28	4.88	5.06	15.03	15.04	353	675	12.58	4.77	4.95	14.34	14.41
353	820	13.25	4.87	5.05	14.99	15.03	353	670	12.55	4.77	4.94	14.31	14.38
353	815	13.23	4.87	5.05	14.98	15.01	353	665	12.53	4.76	4.94	14.29	14.36
353	810	13.22	4.87	5.05	14.96	14.99	353	660	12.50	4.76	4.94	14.26	14.33
353	805	13.20	4.86	5.05	14.94	14.97	353	655	12.48	4.76	4.93	14.24	14.31
353	800	13.17	4.86	5.04	14.91	14.95	353	650	12.45	4.75	4.93	14.21	14.28
353	795	13.15	4.86	5.04	14.90	14.93	353	645	12.42	4.75	4.92	14.18	14.26
353	790	13.13	4.85	5.03	14.88	14.91	353	640	12.40	4.74	4.92	14.16	14.23
353	785	13.10	4.85	5.03	14.85	14.89	353	635	12.37	4.74	4.92	14.13	14.20
353	780	13.08	4.85	5.03	14.83	14.87	353	630	12.33	4.73	4.91	14.09	14.18
353	775	13.07	4.84	5.02	14.81	14.85	353	625	12.32	4.73	4.91	14.08	14.15
353	770	13.03	4.84	5.02	14.78	14.83	353	620	12.28	4.73	4.90	14.05	14.12
353	765	13.02	4.84	5.02	14.76	14.81	353	615	12.25	4.72	4.90	14.01	14.09
353	760	13.00	4.83	5.01	14.75	14.79	353	610	12.22	4.72	4.89	13.98	14.07

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
353	605	12.20	4.71	4.89	13.96	14.04	353	455	11.15	4.55	4.72	12.94	12.98
353	600	12.17	4.71	4.88	13.93	14.01	353	450	11.11	4.54	4.71	12.89	12.94
353	595	12.14	4.70	4.88	13.90	13.98	353	445	11.07	4.53	4.70	12.86	12.89
353	590	12.10	4.70	4.87	13.87	13.95	353	440	11.02	4.53	4.69	12.81	12.85
353	585	12.07	4.69	4.87	13.83	13.92	353	435	10.98	4.52	4.69	12.76	12.80
353	580	12.04	4.69	4.86	13.80	13.89	353	430	10.94	4.51	4.68	12.73	12.76
353	575	12.02	4.69	4.86	13.79	13.86	353	425	10.90	4.50	4.67	12.68	12.71
353	570	11.99	4.68	4.85	13.75	13.83	353	420	10.85	4.50	4.66	12.63	12.66
353	565	11.95	4.67	4.85	13.72	13.80	353	415	10.80	4.49	4.66	12.59	12.61
353	560	11.92	4.67	4.84	13.69	13.76	353	410	10.75	4.48	4.65	12.54	12.56
353	555	11.89	4.66	4.84	13.66	13.73	353	405	10.70	4.47	4.64	12.49	12.51
353	550	11.86	4.66	4.83	13.62	13.70	353	400	10.65	4.46	4.63	12.45	12.46
353	545	11.82	4.65	4.83	13.59	13.67	353	395	10.61	4.46	4.62	12.40	12.40
353	540	11.79	4.65	4.82	13.56	13.63	353	390	10.56	4.45	4.61	12.35	12.35
353	535	11.76	4.64	4.82	13.53	13.60	353	385	10.51	4.44	4.61	12.30	12.29
353	530	11.72	4.64	4.81	13.50	13.56	353	380	10.45	4.43	4.59	12.24	12.24
353	525	11.69	4.63	4.81	13.46	13.53	353	375	10.40	4.42	4.59	12.19	12.18
353	520	11.64	4.63	4.80	13.42	13.49	353	370	10.35	4.41	4.58	12.15	12.12
353	515	11.61	4.62	4.79	13.38	13.46	353	365	10.29	4.40	4.57	12.08	12.06
353	510	11.58	4.62	4.79	13.35	13.42	353	360	10.22	4.39	4.55	12.02	12.00
353	505	11.54	4.61	4.78	13.32	13.38	353	355	10.17	4.38	4.55	11.97	11.93
353	500	11.51	4.60	4.78	13.29	13.35	353	350	10.11	4.37	4.53	11.91	11.87
353	495	11.46	4.60	4.77	13.24	13.31	353	345	10.05	4.36	4.52	11.85	11.80
353	490	11.43	4.59	4.76	13.21	13.27	353	340	9.98	4.35	4.51	11.79	11.74
353	485	11.40	4.59	4.76	13.18	13.23	353	335	9.92	4.34	4.50	11.73	11.67
353	480	11.35	4.58	4.75	13.13	13.19	353	330	9.86	4.33	4.49	11.66	11.60
353	475	11.32	4.57	4.74	13.10	13.15	353	325	9.79	4.32	4.48	11.60	11.52
353	470	11.27	4.57	4.74	13.05	13.11	353	320	9.73	4.31	4.47	11.54	11.45
353	465	11.24	4.56	4.73	13.02	13.07	353	315	9.65	4.29	4.45	11.46	11.37
353	460	11.19	4.55	4.72	12.97	13.02	353	310	9.59	4.28	4.44	11.40	11.29

T, K	P, bar	δ_b , MPa ^{1/2}	δ_p , MPa ^{1/2}	δ_h , MPa ^{1/2}	δ_T , MPa ^{1/2}	$\delta_{\text{Hildebrand}}$, MPa ^{1/2}	T, K	P, bar	δ_b , MPa ^{1/2}	δ_p , MPa ^{1/2}	δ_h , MPa ^{1/2}	δ_T , MPa ^{1/2}	$\delta_{\text{Hildebrand}}$, MPa ^{1/2}
353	305	9.51	4.27	4.43	11.32	11.21	353	160	5.38	3.40	3.52	7.27	6.96
353	300	9.43	4.25	4.41	11.25	11.13	353	155	5.10	3.33	3.45	7.00	6.69
353	295	9.35	4.24	4.40	11.17	11.04	353	150	4.80	3.25	3.37	6.70	6.41
353	290	9.28	4.22	4.38	11.09	10.96	353	145	4.50	3.16	3.28	6.40	6.13
353	285	9.20	4.21	4.37	11.02	10.87	353	140	4.20	3.08	3.19	6.11	5.84
353	280	9.10	4.19	4.35	10.93	10.77	353	135	3.90	2.99	3.10	5.81	5.55
353	275	9.01	4.17	4.33	10.83	10.68	353	130	3.60	2.89	3.00	5.51	5.25
353	270	8.93	4.16	4.32	10.76	10.58	353	125	3.31	2.80	2.90	5.21	4.96
353	265	8.82	4.14	4.29	10.65	10.47	353	120	3.03	2.70	2.80	4.93	4.67
353	260	8.73	4.12	4.28	10.56	10.37	353	115	2.77	2.60	2.70	4.66	4.39
353	255	8.62	4.10	4.26	10.45	10.26	353	110	2.54	2.51	2.61	4.42	4.12
353	250	8.53	4.08	4.24	10.36	10.14	353	105	2.31	2.42	2.51	4.18	3.86
353	245	8.41	4.06	4.21	10.24	10.02	353	100	2.10	2.33	2.42	3.96	3.60
353	240	8.30	4.04	4.19	10.14	9.90	353	95	1.90	2.24	2.33	3.75	3.36
353	235	8.18	4.02	4.17	10.02	9.77	353	90	1.72	2.15	2.23	3.55	3.12
353	230	8.06	3.99	4.14	9.90	9.64	353	85	1.55	2.06	2.14	3.35	2.89
353	225	7.92	3.97	4.11	9.77	9.50	353	80	1.39	1.98	2.05	3.18	2.67
353	220	7.79	3.94	4.08	9.63	9.35	353	75	1.25	1.89	1.96	3.00	2.46
353	215	7.63	3.91	4.05	9.49	9.20	353	70	1.11	1.81	1.88	2.83	2.26
353	210	7.48	3.88	4.02	9.34	9.04	353	65	0.99	1.73	1.79	2.68	2.07
353	205	7.34	3.85	3.99	9.19	8.88	353	60	0.87	1.64	1.70	2.52	1.88
353	200	7.16	3.81	3.95	9.02	8.70	353	55	0.77	1.56	1.62	2.37	1.70
353	195	6.98	3.77	3.91	8.84	8.52	353	50	0.66	1.47	1.53	2.22	1.52
353	195	6.98	3.77	3.91	8.84	8.52	353	45	0.56	1.38	1.43	2.06	1.35
353	190	6.79	3.73	3.87	8.66	8.33	353	40	0.48	1.29	1.34	1.92	1.18
353	185	6.58	3.68	3.82	8.45	8.12	353	35	0.39	1.19	1.24	1.76	1.02
353	180	6.38	3.64	3.77	8.26	7.91	353	30	0.32	1.10	1.14	1.61	0.86
353	175	6.15	3.58	3.72	8.03	7.69	353	25	0.25	0.99	1.03	1.45	0.71
353	170	5.90	3.53	3.66	7.79	7.46	353	20	0.18	0.88	0.91	1.28	0.56
353	165	5.65	3.46	3.59	7.54	7.21	353	15	0.13	0.76	0.79	1.10	0.42

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
363	905	13.25	4.87	4.99	14.97	14.95	363	755	12.60	4.77	4.89	14.33	14.36
363	900	13.23	4.87	4.98	14.96	14.93	363	750	12.57	4.77	4.88	14.30	14.34
363	895	13.22	4.87	4.98	14.94	14.92	363	745	12.55	4.77	4.88	14.28	14.32
363	890	13.20	4.86	4.98	14.92	14.90	363	740	12.52	4.76	4.87	14.25	14.30
363	885	13.17	4.86	4.97	14.89	14.88	363	735	12.50	4.76	4.87	14.23	14.27
363	880	13.15	4.86	4.97	14.87	14.86	363	730	12.47	4.75	4.87	14.20	14.25
363	875	13.13	4.85	4.97	14.86	14.84	363	725	12.45	4.75	4.86	14.19	14.23
363	870	13.12	4.85	4.97	14.84	14.83	363	720	12.42	4.75	4.86	14.15	14.20
363	865	13.08	4.85	4.96	14.81	14.81	363	715	12.40	4.74	4.86	14.14	14.18
363	860	13.07	4.84	4.96	14.79	14.79	363	710	12.37	4.74	4.85	14.10	14.15
363	855	13.05	4.84	4.96	14.77	14.77	363	705	12.35	4.74	4.85	14.09	14.13
363	850	13.03	4.84	4.95	14.76	14.75	363	700	12.32	4.73	4.84	14.06	14.10
363	845	13.00	4.83	4.95	14.73	14.73	363	695	12.28	4.73	4.84	14.02	14.08
363	840	12.98	4.83	4.95	14.71	14.72	363	690	12.27	4.72	4.84	14.01	14.05
363	835	12.97	4.83	4.94	14.69	14.70	363	685	12.23	4.72	4.83	13.97	14.03
363	830	12.95	4.83	4.94	14.68	14.68	363	680	12.22	4.72	4.83	13.96	14.00
363	825	12.92	4.82	4.94	14.64	14.66	363	675	12.18	4.71	4.82	13.93	13.98
363	820	12.90	4.82	4.93	14.63	14.64	363	670	12.15	4.71	4.82	13.89	13.95
363	815	12.88	4.82	4.93	14.61	14.62	363	665	12.14	4.70	4.81	13.88	13.92
363	810	12.85	4.81	4.93	14.58	14.60	363	660	12.10	4.70	4.81	13.84	13.90
363	805	12.83	4.81	4.92	14.56	14.58	363	655	12.07	4.69	4.80	13.81	13.87
363	800	12.82	4.81	4.92	14.54	14.56	363	650	12.04	4.69	4.80	13.78	13.84
363	795	12.78	4.80	4.92	14.51	14.54	363	645	12.02	4.69	4.80	13.76	13.81
363	790	12.77	4.80	4.91	14.50	14.52	363	640	11.99	4.68	4.79	13.73	13.79
363	785	12.73	4.79	4.91	14.46	14.49	363	635	11.95	4.67	4.79	13.70	13.76
363	780	12.72	4.79	4.91	14.45	14.47	363	630	11.92	4.67	4.78	13.67	13.73
363	775	12.70	4.79	4.90	14.43	14.45	363	625	11.89	4.66	4.77	13.63	13.70
363	770	12.67	4.78	4.90	14.40	14.43	363	620	11.87	4.66	4.77	13.62	13.67
363	765	12.65	4.78	4.89	14.38	14.41	363	615	11.84	4.66	4.77	13.59	13.64
363	760	12.62	4.78	4.89	14.35	14.39	363	610	11.81	4.65	4.76	13.55	13.61

T, K	P, bar	δ_b , MPa ^{1/2}	δ_p , MPa ^{1/2}	δ_h , MPa ^{1/2}	δ_T , MPa ^{1/2}	$\delta_{\text{Hildebrand}}$, MPa ^{1/2}	T, K	P, bar	δ_b , MPa ^{1/2}	δ_p , MPa ^{1/2}	δ_h , MPa ^{1/2}	δ_T , MPa ^{1/2}	$\delta_{\text{Hildebrand}}$, MPa ^{1/2}
363	605	11.77	4.65	4.76	13.52	13.58	363	455	10.65	4.46	4.57	12.42	12.45
363	600	11.74	4.64	4.75	13.49	13.55	363	450	10.61	4.46	4.56	12.38	12.40
363	595	11.71	4.64	4.75	13.46	13.52	363	445	10.57	4.45	4.56	12.34	12.35
363	590	11.68	4.63	4.74	13.43	13.49	363	440	10.53	4.44	4.55	12.30	12.30
363	585	11.64	4.63	4.74	13.39	13.45	363	435	10.48	4.43	4.54	12.25	12.25
363	580	11.61	4.62	4.73	13.36	13.42	363	430	10.43	4.43	4.53	12.20	12.20
363	575	11.58	4.62	4.72	13.33	13.39	363	425	10.38	4.42	4.52	12.16	12.15
363	570	11.54	4.61	4.72	13.30	13.36	363	420	10.33	4.41	4.51	12.11	12.10
363	565	11.51	4.60	4.71	13.26	13.32	363	415	10.27	4.40	4.50	12.05	12.04
363	560	11.48	4.60	4.71	13.23	13.29	363	410	10.22	4.39	4.50	12.00	11.99
363	555	11.45	4.59	4.70	13.20	13.25	363	405	10.17	4.38	4.49	11.95	11.93
363	550	11.41	4.59	4.70	13.17	13.22	363	400	10.13	4.37	4.48	11.91	11.88
363	545	11.38	4.58	4.69	13.14	13.18	363	395	10.06	4.36	4.47	11.84	11.82
363	540	11.33	4.58	4.68	13.09	13.15	363	390	10.02	4.36	4.46	11.80	11.76
363	535	11.30	4.57	4.68	13.06	13.11	363	385	9.95	4.34	4.45	11.73	11.70
363	530	11.27	4.57	4.67	13.03	13.07	363	380	9.89	4.33	4.44	11.67	11.64
363	525	11.24	4.56	4.67	12.99	13.04	363	375	9.84	4.32	4.43	11.63	11.58
363	520	11.19	4.55	4.66	12.95	13.00	363	370	9.78	4.31	4.42	11.56	11.51
363	515	11.15	4.55	4.65	12.91	12.96	363	365	9.71	4.30	4.40	11.50	11.45
363	510	11.12	4.54	4.65	12.88	12.92	363	360	9.65	4.29	4.39	11.44	11.38
363	505	11.07	4.53	4.64	12.83	12.88	363	355	9.59	4.28	4.38	11.38	11.31
363	500	11.04	4.53	4.64	12.80	12.84	363	350	9.53	4.27	4.37	11.32	11.24
363	495	10.99	4.52	4.63	12.75	12.80	363	345	9.46	4.26	4.36	11.26	11.17
363	490	10.96	4.52	4.62	12.72	12.76	363	340	9.38	4.24	4.34	11.18	11.10
363	485	10.91	4.51	4.61	12.68	12.71	363	335	9.32	4.23	4.33	11.12	11.02
363	480	10.88	4.50	4.61	12.64	12.67	363	330	9.24	4.22	4.32	11.04	10.95
363	475	10.83	4.49	4.60	12.60	12.63	363	325	9.18	4.21	4.31	10.98	10.87
363	470	10.78	4.49	4.59	12.55	12.58	363	320	9.10	4.19	4.29	10.90	10.79
363	465	10.75	4.48	4.59	12.52	12.54	363	315	9.03	4.18	4.28	10.83	10.70
363	460	10.70	4.47	4.58	12.47	12.49	363	310	8.95	4.16	4.26	10.75	10.62

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
363	305	8.86	4.15	4.24	10.66	10.53	363	170	5.01	3.30	3.38	6.88	6.61
363	300	8.78	4.13	4.23	10.58	10.44	363	165	4.77	3.24	3.31	6.65	6.38
363	295	8.69	4.11	4.21	10.49	10.35	363	160	4.53	3.17	3.25	6.41	6.14
363	290	8.59	4.10	4.19	10.40	10.25	363	155	4.27	3.10	3.17	6.16	5.90
363	285	8.50	4.08	4.18	10.31	10.15	363	150	4.02	3.02	3.09	5.90	5.65
363	280	8.41	4.06	4.16	10.22	10.05	363	145	3.78	2.95	3.02	5.67	5.41
363	275	8.32	4.04	4.14	10.13	9.95	363	140	3.54	2.87	2.94	5.42	5.16
363	270	8.21	4.02	4.12	10.03	9.84	363	135	3.29	2.79	2.86	5.18	4.91
363	265	8.10	4.00	4.10	9.92	9.73	363	130	3.05	2.71	2.77	4.93	4.66
363	260	8.00	3.98	4.07	9.82	9.61	363	125	2.83	2.63	2.69	4.70	4.42
363	255	7.89	3.96	4.05	9.71	9.49	363	120	2.62	2.55	2.61	4.49	4.18
363	250	7.77	3.93	4.03	9.60	9.37	363	115	2.42	2.47	2.52	4.28	3.95
363	245	7.65	3.91	4.00	9.48	9.24	363	110	2.23	2.39	2.44	4.08	3.72
363	245	7.65	3.91	4.00	9.48	9.24	363	105	2.04	2.31	2.36	3.88	3.50
363	240	7.51	3.88	3.97	9.35	9.11	363	100	1.87	2.23	2.28	3.69	3.28
363	240	7.51	3.88	3.97	9.35	9.11	363	95	1.71	2.15	2.20	3.52	3.07
363	235	7.38	3.85	3.95	9.21	8.97	363	90	1.56	2.07	2.12	3.34	2.87
363	235	7.38	3.85	3.95	9.21	8.97	363	85	1.42	1.99	2.04	3.18	2.67
363	230	7.25	3.83	3.92	9.08	8.83	363	80	1.28	1.91	1.96	3.02	2.48
363	225	7.10	3.79	3.88	8.94	8.68	363	75	1.15	1.83	1.88	2.87	2.29
363	220	6.95	3.76	3.85	8.79	8.53	363	70	1.03	1.75	1.80	2.71	2.11
363	215	6.79	3.73	3.82	8.63	8.36	363	65	0.92	1.68	1.72	2.57	1.94
363	210	6.63	3.69	3.78	8.48	8.20	363	60	0.81	1.60	1.63	2.43	1.76
363	205	6.45	3.65	3.74	8.30	8.03	363	55	0.72	1.52	1.56	2.29	1.60
363	200	6.28	3.61	3.70	8.13	7.84	363	50	0.63	1.44	1.47	2.15	1.43
363	195	6.09	3.57	3.65	7.95	7.66	363	45	0.54	1.35	1.38	2.01	1.28
363	190	5.89	3.52	3.61	7.75	7.46	363	40	0.45	1.26	1.29	1.86	1.12
363	185	5.68	3.47	3.55	7.54	7.26	363	35	0.38	1.17	1.20	1.72	0.97
363	180	5.47	3.42	3.50	7.33	7.05	363	30	0.30	1.07	1.10	1.57	0.82
363	175	5.24	3.36	3.44	7.11	6.83	363	25	0.24	0.98	1.00	1.42	0.68

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
373	905	12.92	4.82	4.87	14.62	14.59	373	755	12.23	4.72	4.77	13.95	13.96
373	900	12.90	4.82	4.87	14.60	14.57	373	750	12.20	4.71	4.76	13.92	13.94
373	895	12.87	4.81	4.86	14.57	14.55	373	745	12.17	4.71	4.76	13.89	13.92
373	890	12.85	4.81	4.86	14.56	14.53	373	740	12.15	4.71	4.75	13.87	13.89
373	885	12.83	4.81	4.86	14.54	14.51	373	735	12.12	4.70	4.75	13.84	13.87
373	880	12.82	4.81	4.86	14.52	14.49	373	730	12.10	4.70	4.75	13.82	13.84
373	875	12.78	4.80	4.85	14.49	14.47	373	725	12.07	4.69	4.74	13.79	13.82
373	870	12.77	4.80	4.85	14.47	14.46	373	720	12.04	4.69	4.74	13.76	13.79
373	865	12.75	4.80	4.85	14.46	14.44	373	715	12.02	4.69	4.73	13.74	13.77
373	860	12.72	4.79	4.84	14.42	14.42	373	710	11.99	4.68	4.73	13.71	13.74
373	855	12.70	4.79	4.84	14.41	14.40	373	705	11.95	4.67	4.72	13.68	13.71
373	850	12.68	4.79	4.84	14.39	14.38	373	700	11.94	4.67	4.72	13.66	13.69
373	845	12.65	4.78	4.83	14.36	14.36	373	695	11.91	4.67	4.71	13.63	13.66
373	840	12.63	4.78	4.83	14.34	14.34	373	690	11.87	4.66	4.71	13.60	13.63
373	835	12.62	4.78	4.83	14.33	14.32	373	685	11.86	4.66	4.71	13.58	13.61
373	830	12.58	4.77	4.82	14.29	14.30	373	680	11.82	4.65	4.70	13.55	13.58
373	825	12.57	4.77	4.82	14.28	14.27	373	675	11.79	4.65	4.70	13.52	13.55
373	820	12.55	4.77	4.82	14.26	14.25	373	670	11.76	4.64	4.69	13.48	13.52
373	815	12.52	4.76	4.81	14.23	14.23	373	665	11.74	4.64	4.69	13.47	13.50
373	810	12.50	4.76	4.81	14.21	14.21	373	660	11.71	4.64	4.68	13.44	13.47
373	805	12.47	4.75	4.80	14.18	14.19	373	655	11.68	4.63	4.68	13.40	13.44
373	800	12.45	4.75	4.80	14.16	14.17	373	650	11.64	4.63	4.67	13.37	13.41
373	795	12.42	4.75	4.79	14.13	14.15	373	645	11.61	4.62	4.67	13.34	13.38
373	790	12.40	4.74	4.79	14.11	14.13	373	640	11.58	4.62	4.66	13.31	13.35
373	785	12.38	4.74	4.79	14.10	14.10	373	635	11.54	4.61	4.66	13.28	13.32
373	780	12.35	4.74	4.78	14.07	14.08	373	630	11.53	4.61	4.65	13.26	13.29
373	775	12.33	4.73	4.78	14.05	14.06	373	625	11.50	4.60	4.65	13.23	13.26
373	770	12.30	4.73	4.78	14.02	14.03	373	620	11.46	4.60	4.64	13.19	13.23
373	765	12.28	4.73	4.77	14.00	14.01	373	615	11.43	4.59	4.64	13.16	13.20
373	760	12.25	4.72	4.77	13.97	13.99	373	610	11.40	4.59	4.63	13.13	13.16

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
373	605	11.37	4.58	4.63	13.10	13.13	373	455	10.17	4.38	4.43	11.93	11.92
373	600	11.33	4.58	4.62	13.07	13.10	373	450	10.13	4.37	4.42	11.88	11.87
373	595	11.30	4.57	4.62	13.04	13.06	373	445	10.08	4.37	4.41	11.84	11.82
373	590	11.25	4.56	4.61	12.99	13.03	373	440	10.03	4.36	4.40	11.79	11.77
373	585	11.22	4.56	4.60	12.96	13.00	373	435	9.97	4.35	4.39	11.73	11.72
373	580	11.19	4.55	4.60	12.92	12.96	373	430	9.92	4.34	4.38	11.68	11.66
373	575	11.15	4.55	4.59	12.89	12.93	373	425	9.87	4.33	4.37	11.63	11.61
373	570	11.12	4.54	4.59	12.86	12.89	373	420	9.83	4.32	4.37	11.59	11.55
373	565	11.09	4.54	4.58	12.83	12.86	373	415	9.76	4.31	4.36	11.53	11.49
373	560	11.04	4.53	4.57	12.78	12.82	373	410	9.71	4.30	4.35	11.48	11.44
373	555	11.01	4.52	4.57	12.75	12.78	373	405	9.65	4.29	4.34	11.42	11.38
373	550	10.98	4.52	4.56	12.72	12.75	373	400	9.59	4.28	4.32	11.36	11.32
373	545	10.94	4.51	4.56	12.69	12.71	373	395	9.54	4.27	4.32	11.31	11.26
373	540	10.90	4.50	4.55	12.64	12.67	373	390	9.48	4.26	4.30	11.25	11.19
373	535	10.86	4.50	4.55	12.61	12.63	373	385	9.42	4.25	4.29	11.19	11.13
373	530	10.81	4.49	4.54	12.56	12.59	373	380	9.35	4.24	4.28	11.13	11.06
373	525	10.78	4.49	4.53	12.53	12.55	373	375	9.29	4.23	4.27	11.06	11.00
373	520	10.75	4.48	4.53	12.50	12.51	373	370	9.23	4.22	4.26	11.00	10.93
373	515	10.70	4.47	4.52	12.45	12.47	373	365	9.17	4.20	4.25	10.94	10.86
373	510	10.65	4.46	4.51	12.40	12.43	373	360	9.09	4.19	4.23	10.87	10.79
373	505	10.62	4.46	4.50	12.37	12.39	373	355	9.03	4.18	4.22	10.80	10.71
373	500	10.57	4.45	4.50	12.32	12.34	373	350	8.95	4.16	4.21	10.73	10.64
373	495	10.54	4.45	4.49	12.29	12.30	373	345	8.89	4.15	4.19	10.67	10.56
373	490	10.49	4.44	4.48	12.24	12.25	373	340	8.81	4.14	4.18	10.59	10.48
373	485	10.45	4.43	4.47	12.20	12.21	373	335	8.73	4.12	4.17	10.52	10.40
373	480	10.40	4.42	4.47	12.15	12.16	373	330	8.65	4.11	4.15	10.44	10.32
373	475	10.37	4.42	4.46	12.12	12.12	373	325	8.58	4.09	4.14	10.37	10.24
373	470	10.32	4.41	4.45	12.07	12.07	373	320	8.49	4.08	4.12	10.27	10.15
373	465	10.27	4.40	4.44	12.02	12.02	373	315	8.41	4.06	4.10	10.20	10.06
373	460	10.22	4.39	4.44	11.98	11.97	373	310	8.32	4.04	4.08	10.11	9.97

T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$	T, K	P, bar	δ_b , MPa $^{1/2}$	δ_p , MPa $^{1/2}$	δ_h , MPa $^{1/2}$	δ_T , MPa $^{1/2}$	$\delta_{\text{Hildebrand}}$, MPa $^{1/2}$
373	305	8.23	4.03	4.07	10.02	9.88	373	175	4.54	3.17	3.21	6.40	6.14
373	300	8.15	4.01	4.05	9.95	9.78	373	170	4.32	3.11	3.14	6.19	5.94
373	300	8.15	4.01	4.05	9.95	9.78	373	165	4.11	3.05	3.08	5.98	5.73
373	295	8.04	3.99	4.03	9.84	9.69	373	160	3.91	2.99	3.02	5.78	5.51
373	295	8.04	3.99	4.03	9.84	9.69	373	155	3.69	2.92	2.95	5.56	5.30
373	290	7.95	3.97	4.01	9.75	9.58	373	150	3.48	2.85	2.88	5.35	5.08
373	290	7.95	3.97	4.01	9.75	9.58	373	145	3.28	2.79	2.82	5.14	4.87
373	285	7.85	3.95	3.99	9.65	9.48	373	140	3.08	2.72	2.74	4.94	4.65
373	285	7.85	3.95	3.99	9.65	9.48	373	135	2.88	2.65	2.67	4.74	4.44
373	280	7.76	3.93	3.97	9.56	9.37	373	130	2.69	2.58	2.60	4.55	4.23
373	275	7.65	3.91	3.95	9.46	9.37	373	125	2.51	2.50	2.53	4.36	4.02
373	270	7.53	3.89	3.93	9.34	9.26	373	120	2.33	2.43	2.46	4.17	3.82
373	265	7.42	3.86	3.90	9.24	9.15	373	115	2.17	2.36	2.39	4.00	3.62
373	260	7.31	3.84	3.88	9.12	9.03	373	110	2.01	2.29	2.31	3.82	3.42
373	255	7.19	3.81	3.85	9.00	8.91	373	105	1.86	2.22	2.24	3.66	3.22
373	250	7.05	3.79	3.82	8.87	8.79	373	100	1.71	2.15	2.17	3.50	3.04
373	245	6.93	3.76	3.80	8.76	8.66	373	95	1.57	2.07	2.10	3.34	2.85
373	240	6.79	3.73	3.77	8.61	8.52	373	90	1.44	2.00	2.02	3.19	2.67
373	235	6.66	3.70	3.74	8.48	8.39	373	85	1.31	1.93	1.95	3.04	2.49
373	230	6.51	3.67	3.70	8.34	8.24	373	80	1.18	1.85	1.87	2.89	2.32
373	225	6.36	3.63	3.67	8.20	8.10	373	75	1.07	1.78	1.80	2.75	2.15
373	220	6.21	3.60	3.63	8.04	7.95	373	70	0.97	1.71	1.73	2.62	1.99
373	215	6.05	3.56	3.60	7.89	7.79	373	65	0.86	1.63	1.65	2.48	1.82
373	210	5.88	3.52	3.55	7.72	7.63	373	60	0.77	1.56	1.57	2.34	1.67
373	205	5.71	3.48	3.51	7.55	7.46	373	55	0.67	1.48	1.49	2.21	1.51
373	200	5.52	3.43	3.47	7.37	7.29	373	50	0.59	1.40	1.42	2.08	1.36
373	195	5.34	3.39	3.42	7.19	7.11	373	45	0.51	1.32	1.34	1.95	1.21
373	190	5.14	3.34	3.37	7.00	6.93	373	40	0.43	1.24	1.25	1.82	1.07
373	185	4.95	3.29	3.32	6.81	6.74	373	35	0.36	1.15	1.16	1.67	0.93
373	180	4.74	3.23	3.26	6.60	6.35	373	30	0.29	1.06	1.07	1.54	0.79

Appendix D: Equation of State References:

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